THE CAMBRIDGE HISTORY OF INDIA

VOLUME I

ANCIENT INDIA

EDITED BY

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PREFACE

THE present volume deals with the history of ancient India from the earliest times to about the middle of the first century A.D.; and it attempts to represent the stage of progress which research has now reached in its task of recovering from the past the outlines of a history which, only a few years ago, was commonly supposed to be irretrievably lost. Well within the memory of contributors to this volume it was the fashion to say that there was no history of India before the Muhammadan conquests in the eleventh century A.D., and the general opinion seemed to be summed up in the dictum of the cynic who roundly asserted that all supposed dates for earlier events were like skittles—set up simply to be bowled down again. But this gibe, not quite justifiable even when it was uttered, could not be repeated at the present day. It has lost its point: it is no longer even approximately true.

Regarded as a record of the character and achievements of great leaders of men, this history indeed is, and must always remain, sadly deficient. Of all the conquerors and administrators who appear in this volume there are two only—Alexander the Great and, in a less degree, Açoka—whose personality is at all intimately known to us: in the case of others the bare memory of some of their deeds has been preserved; the rest have become mere names to which research has given a time and a place. But the fragments of fact which have been rescued from the past are now sufficiently numerous and well established to enable us to construct a chronological and geographical framework for the political history of many of the kingdoms and empires of ancient India; and into this framework may be fitted the history of social institutions, which is reflected with unusual clearness in the ancient literatures.

The manner in which modern scholarship has succeeded in throwing light on the dark ages of India, and in revealing order where all seemed to be chaos, is briefly indicated in the latter section of Chapter II which deals with the sources of history. The story of rediscovery is a long record of struggles with problems which were once thought to be insoluble, and of the ultimate triumphs of patience and ingenuity. It begins in 1793, when Sir William Jones supplied 'the sheet-anchor of Indian chronology'

by his identification of the Sandrocottus of Alexander's historians with the Chandragupta of Sanskrit literature; and its great epoch is ushered in by the decipherment of the long-forgotten alphabets of the ancient Indian inscriptions by James Prinsep in 1834. The first comprehensive summary of historical gains appeared in 1858, when Christian Lassen published the first volume of his *Indische Alterthumskunde*, and in recent years other summaries have been made by Dr Vincent Smith (*Early History of India*, 1st edn. 1904, 2nd edn. 1908, 3rd edn. 1914), by Dr L. D. Barnett (*Indian Antiquities*, 1913), and, on a smaller scale, by the editor of this volume (*Ancient India*, 1914).

The *Cambridge History of India* marks a new departure. The literature of the subject has become so vast, and is still growing with such rapidity, that the best hope of securing a real advance in the study now lies in a division of labour among scholars who have explored at first hand the main sources of information. This volume therefore follows the plan adopted in the modern and medieval histories published by the Cambridge University Press. It is the outcome of the combination of a number of investigators with an editor whose function it has been to coordinate, so far as seemed possible or advisable, results obtained independently. That this plan is not without its disadvantages is obvious. All cooperative enterprises of the kind involve necessarily some reiteration and also some discrepancy; and the questions which an editor must decide are how far repeated discussions of the same topic contribute to a fuller knowledge or are merely redundant, and how far different opinions admit of reconciliation or should be allowed to remain as representing the actual state of a study which abounds with difficulties and obscurities. In all important cases of the occurrence of such supplementary or contradictory views in this volume cross-references are given to the passages in which they are expressed.

The general scheme of the work may be explained in a few words. The first two chapters are introductory. In Chapter I Sir Halford Mackinder describes the India of the present day when railways and telegraph lines have taken the place of the ancient routes, and gives an account of those geographical features which have determined the course of history in past times. The chapter is founded on *Eight Lectures on India* prepared for the Visual Instruction Committee of the Colonial Office and published in 1910. A similar acknowledgment of indebtedness is due to the Government of India for the use which the editor has made of its official

publications, especially the *Census Reports* of 1901 and 1911 and the *Imperial Gazetteer of India*, in Chapter II on peoples and languages, and the sources of history. In Chapter III Dr P. Giles reviews the evidence which Comparative Philology, aided by the ancient inscriptions of Western Asia, supplies for a knowledge of the early culture of the Āryans or 'Wiros,' their original habitat, and the date of the migrations which eventually led some of their tribes into India. The next five chapters are devoted to accounts of political, social, and economic conditions as represented in the earliest scriptures of the Brāhmans, Jains, and Buddhists—Chapters IV and V by Prof. A. B. Keith on the Vedas and Brāhmaṇas, Chapters VI and VII by Dr J. Charpentier and Dr T. W. Rhys Davids respectively on the earliest history of the Jains and Buddhists, and Chapter VIII by Mrs Rhys Davids on economic conditions in early Buddhist literature. The five chapters which follow extend this investigation to the Brāhman sources for the history of the post-Vedic period—Chapters IX–XII by Prof. E. Washburn Hopkins on the Sūtras, epics, and law-books, and Chapter XIII by the editor on the Purāṇas. Up to this point the evidence has been gleaned almost entirely from Indian sources and confined almost entirely to India. In the next four chapters India is viewed in relation to other countries—Chapter XIV by Prof. A. V. Williams Jackson on the ancient Persian dominions in India, Chapters XV and XVI by Mr E. R. Bevan on the invasion of Alexander the Great and the early Greek and Latin accounts of India, and Chapter XVII by Dr G. Macdonald on the Hellenic kingdoms of Syria, Bactria, and Parthia. In Chapters XVIII–XX the first great historical empire, that of the Mauryas, is described by Dr F. W. Thomas; and in Chapters XXI–XXIII the editor deals with the powers which arose on the ruins of the Maurya empire—the Indian native states, the Greek successors of Alexander the Great, and the Scythian and Parthian invaders. In Chapter XXIV Dr L. D. Barnett sums up what is known of the early history of Southern India; and in Chapter XXV he gives an analysis of the history of Ceylon which possesses a continuity in striking contrast to the fragmentary records of the kingdoms of the sub-continent. In the final Chapter XXVI Sir John Marshall describes the ancient monuments, and traces the various phases of Indian art from its beginnings to the first century A.D.

The editor desires to thank all the contributors for the courtesy with which they have received and carried out his suggestions. He is doubly indebted to Sir John Marshall, Dr L. D. Barnett,

Dr George Macdonald, Dr F. W. Thomas, and Mr E. R. Bevan for much valuable advice and for their kind help in reading the proofs of chapters other than their own. He gratefully acknowledges also the assistance which he has received from Colonel Haig and from Sir Theodore Morison, the editors in charge of the Muhammadan and British sections of the *Cambridge History of India* (vols. III–IV and V–VI respectively).

The preparation of vol. II, which will deal with the period from the downfall of the Çaka and Pahlava empire in the middle of the first century A.D. to the Muhammadan conquests, is attended with unusual difficulties, caused partly by the vast extent and partly by the fragmentary character of the historical records; but it is at least to be hoped that its appearance may not be delayed by disasters such as that which has impeded the publication of vol. I.

The printing of this volume began in 1913, and more than half the chapters were in type in 1914, when war made further progress impossible until the end of 1918. Since then the work has been completed, all the earlier chapters have been revised, and no effort has been spared to make the book representative of the state of early Indian historical studies at the end of 1920.

The system of chronology, which has been adopted for the periods of Çaka and Kushana rule, needs some explanation. The chronological difficulties connected with the Vikrama era of 58 B.C. and the Çaka era of 78 A.D. are well known; and it is universally admitted that the names which these eras bear were given to them at a later date, and afford no clue to their origin. The view maintained in this work is that the eras in question mark the establishment of the Çaka and Kushāṇa suzerainties. The idea of suzerainty, that is to say, supreme lordship over all the kings of a large region—'the whole earth,' as the poets call it—is deeply rooted in Indian conceptions of government; and the foundation of an era is recognised as one of the attributes of this exalted position. Now there is abundant evidence that the Çaka empire attained its height in the reign of Azes I and the Kushāṇa empire in the reign of Kanishka. It is natural to suppose therefore that such imperial eras must have been established in these reigns, and that their starting point in both cases was the accession of the suzerain.

The story of the foundation and extension of later eras in Indian history—the Gupta era and the era of Harsha, for example—can be clearly traced. All such undoubted illustrations of the process are seen to imply the existence of certain political conditions—the

relations of suzerain to feudatories, in fact. It is not necessarily, or indeed usually, the founder of a dynasty who is also the founder of an era; but it is that member of the royal house who succeeded in asserting 'universal' sway and in reducing his neighbours to the status of feudatories. The use of the era can be shown, in well-ascertained cases, to have spread from the suzerain to the feudatories. Is there any reason to suppose that extension in the contrary direction—from feudatory to suzerain—has ever taken place or could possibly take place?

It has been suggested that the Vikrama era originated with the Mālavas, whose name it sometimes bears in inscriptions. They were a people, apparently of no great political importance, who can be traced in the Punjab and Rājputāna centuries before they settled in Mālwā, the tract of Central India which now bears their name; and they were almost certainly, like the other peoples of these regions, included in the Çaka empire at one period of their history. Is it conceivable that they could have initiated the Vikrama era, and that a great suzerain like Gondopharnes, who almost beyond doubt dates his Takht-i-Bahi inscription in this era, stood indebted to them for its use? The Vikrama era had undoubtedly become the traditional reckoning of the Mālavas in the fifth century A.D.; but the most obvious explanation of the fact is that they had inherited it from their former overlords.

In the same way, the later name of the era of 78 A.D. may be due to its use for centuries by the Çaka satraps of Western India; but they can scarcely have founded this era. Their very title 'satrap' shows that they were originally feudatories; and they were most probably feudatories of the Kushāṇas. If so, they would use the era of their suzerains as a matter of course.

Thus all *a priori* considerations favour the views which are adopted in this work in regard to the origin of these eras; and, as is pointed out on pages 581–2, the Taxila inscription of the year 136, which first suggested to Sir John Marshall the possibility of an 'era of Azes,' may also furnish positive evidence of their correctness. It has been necessary to deal with these chronological problems somewhat at length because of their importance. If the theories here maintained are accepted, there will be an end to the worst of the perplexities which have for so long obscured the history of N.W. India during the centuries immediately before and after the Christian era, and the dates in all the known inscriptions of the period will be determined, with the single exception of that which occurs in the Taxila copper-plate of Maues, and which, as is

suggested, may be in some era which the Çakas brought with them from eastern Irān into India.

The munificence of Sir Dorabji Tata has enabled the Syndics of the University Press to illustrate this volume more lavishly than would have been possible without such generous help. Mr G. F. Hill and Mr J. Allan of the British Museum have most kindly provided casts of the coins figured in Plates I–VIII; and Sir John Marshall has enhanced the value of his chapter on the monuments by supplying photographs, which were in many cases specially taken for the illustrations in Plates IX–XXXIV.

The index has been made by Mr E. J. Thomas of Emmanuel College and the University Library. Modern place-names are, with very few exceptions, given as they appear in the index-volume of the *Imperial Gazetteer of India*. For the spelling of ancient names the system adopted by Prof. Macdonell in his *History of Sanskrit Literature* has been followed. This system has the double advantage of being strictly accurate and, at the same time, of offering as few difficulties as possible for readers who are not orientalists. The vowels should be pronounced as in Italian, with the exception of *a* which has the indefinite sound so common in English, e.g. in the word *organ*. The vowels *e* and *o* are always long in Sanskrit, and are therefore only marked as such in the non-Sanskritic names of Southern India, in which it is necessary to distinguish them from the corresponding short vowels.

E. J. R.

St John's College, Cambridge,
18 *August* 1921.

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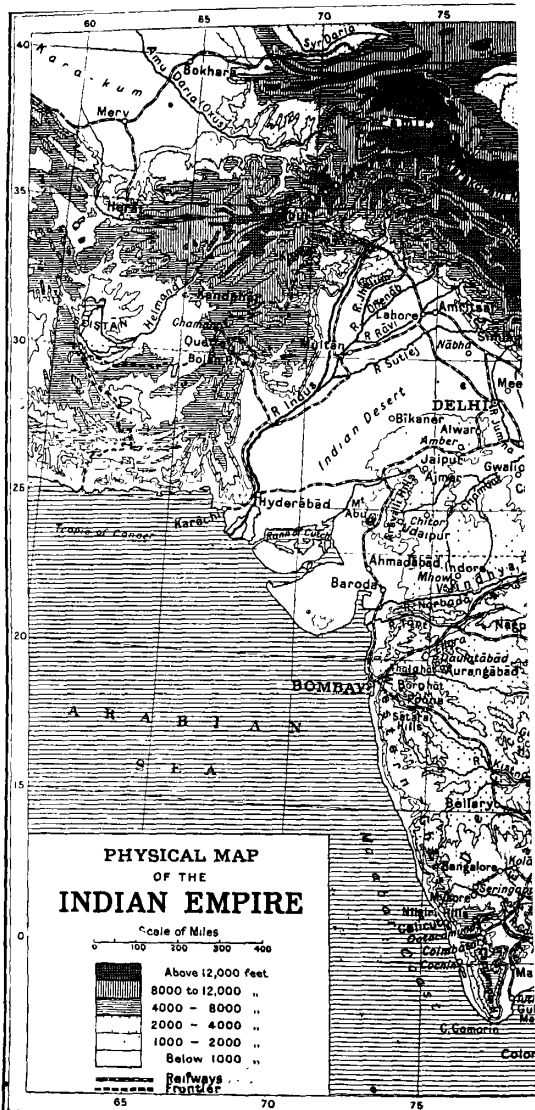
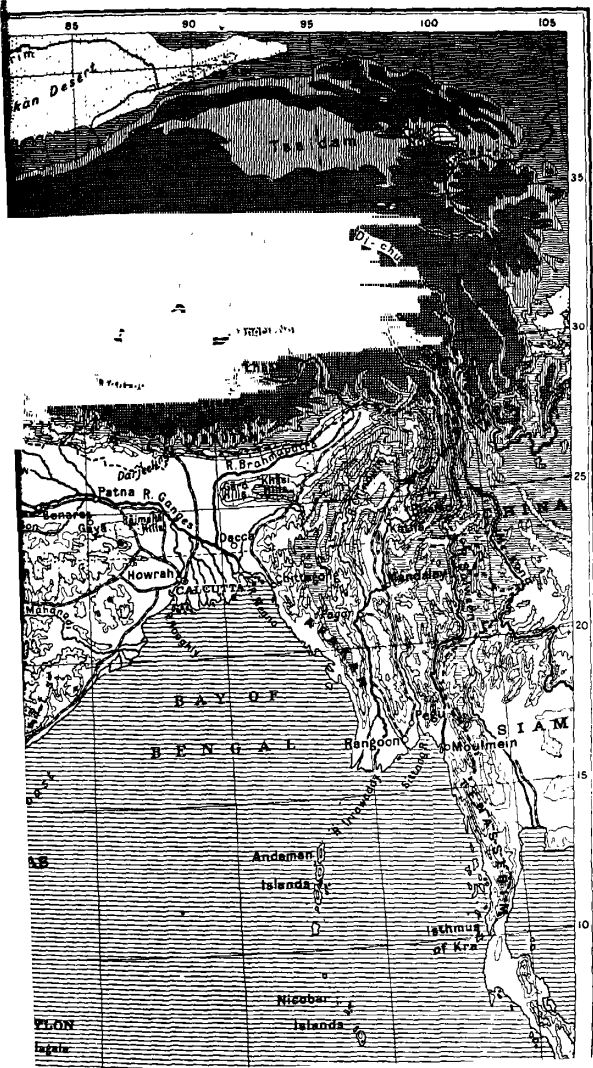

CHAPTER I

THE SUB-CONTINENT OF INDIA

THE great continent of Asia falls naturally into four parts or sub-continents. The east drains to the Pacific, and is mainly Buddhist. The north and west centre lie open in an arctic direction, and during the past century were united under Russian rule. The south-west, or Lower Asia, is the land of passage from Asia into Africa, and from the Indian ocean to the Atlantic. It is the homeland of Islām. In the middle south is the Indian sub-continent.

The inhabitants of the United States describe their vast land as a sub-continent. As regards everything but mere area the expression is more appropriate to India. A single race and a single religion are overwhelmingly dominant in the United States, but in India a long history lives to-day in the most striking contrasts, presenting all manner of problems which it will take generations to solve.

In the past there have been great empires in India, but it is a new thing that the entire region from the Hindu Kush to Ceylon, and from Seistān to the Irrawaddy should be united in a single political system The one clear unity which India has possessed throughout history has been geographical. In no other part of the world, unless perhaps in South America, are the physical features on a grander scale. Yet no where else are they more simply combined into a single natural region.

The object of this chapter is to give a geographical description of India, as the foundation upon which to build the historical chapters which follow. We will make an imaginary journey through the country, noting the salient features of each part, and will then consider it as a whole, in order to set the facts in perspective.

The most convenient point at which to begin is Colombo, the strategical centre of British sea-power in the Indian ocean. Four streams of traffic, India-bound, converge upon Colombo from Aden and the Mediterranean, from the Cape, from Australia, and from

Singapore and the Far East. From Cape Comorin, in the immediate neighbourhood of Colombo, the Indian coasts diverge to Bombay and Karāchi on the one hand, and to Madras, Calcutta, and Rangoon on the other.

Colombo is not, however, in a technical sense Indian. It is the chief city of the luxuriant and beautiful island of Ceylon, which is about as large as Ireland. Neither to-day nor in the past has Ceylon been a mere appendage of India. The Buddhist religion of half its population, and the Dutch basis of its legal code are the embodiment of chapters in its history; it is for good historical reasons that the Governor of Ceylon writes his despatches home to the Secretary for the Colonies and not to the Secretary for India.

The passage by steamer across the Gulf of Manaar from Colombo to Tuticorin on the mainland occupies a night. Midway on the voyage the mountains of Ceylon lie a hundred miles to the east, and Cape Comorin a hundred miles to the west. The gulf narrows northward to Palk Strait, which is almost closed by a chain of islands and shoals, so that the course of ships from Aden into the Bay of Bengal is outside Ceylon.

Cape Comorin, the southernmost point of India, lies eight degrees north of the equator, a distance nearly equivalent to the length of Great Britain. From Comorin the Malabar and Coromandel coasts extend for a thousand miles, the one north-westward, and the other northward and then north-eastward. The surf of the Arabian sea beats on the Malabar coast, that of the Bay of Bengal on the Coromandel coast. Both the Arabian sea and the Bay of Bengal open broadly southward to the Indian ocean, for the Indian peninsula narrows between them to a point.

The interior of the Indian peninsula is for the most part a low plateau, known as the Deccan, whose western edge is a steep brink overlooking the Malabar coast. From the top of this brink, called the Western Ghāts, the surface of the plateau falls gently eastward to a lower brink, which bears the name of Eastern Ghāts. Between the Eastern Ghāts and the Coromandel coast there is a belt of lowland, the Carnatic. Thus India presents a lofty front to the ship approaching from the west, but a featureless plain along the Bay of Bengal, where the trees of the coastline appear to rise out of a water horizon when seen from a short distance seaward.

As the steamer approaches Tuticorin the land becomes visible some miles to the west as a low dark line along the horizon. Gradually the detail of the coast separates into a rich vegetation of trees and a white city, whose most prominent object is a cotton

factory. India is a land of cotton. Its people have grown cotton, woven cotton, and worn cotton from time immemorial. The name calico is derived from Calicut, a town on the Malabar coast which was a centre of trade when Europeans first came over the ocean.

On leaving Tuticorin we travel northward over the Carnatic plain. It is a barren looking country and dry, though at certain seasons there are plentiful rains, and crops enough are produced to maintain a dense population. Far down on the western horizon are the mountains of the Malabar coast, for in this extremity of India the Western and Eastern Ghāts have come together and there is no plateau between them. The mountains rise from the western sea and from the eastern plain into a ridge along the west coast, with summits about as high as the summits of Ceylon, that is to say some eight thousand feet. The westward slopes of these mountains, usually known as the Cardamon hills, belong to the little native states of Travancore and Cochin.

A group of hills, isolated on the plain, marks the position of Madura, a hundred miles from Tuticorin. Madura is one of three southern cities with superb Hindu temples. The other two are Trichinopoly and Tanjore, standing not far from one another, a second hundred miles on the road from Tuticorin to Madras.

A hundred and fifty miles west of Trichinopoly is Ootacamund, high on the Nīlgiri hills. 'Ooty,' as it is familiarly called, stands some seven thousand feet above the sea in the midst of a country of rolling downs, rising at highest to nearly nine thousand feet. This lofty district forms the southern point of the Deccan plateau, where the Eastern and Western Ghāts draw together.

South of the Nīlgiris is one of the most important features in the geography of Southern India. The western mountains are here breached by the broad Gap of Coimbatore or Pālghāt, giving lowland access from the Carnatic plain to the Malabar coast. The Cardamon hills face the Nīlgiris across this passage, which is about twenty miles broad from north to south, and only a thousand feet above the sea.

The significance of the Gap of Coimbatore becomes evident when we consider the distribution of population in Southern India. For two hundred miles south of Madras, as far as Trichinopoly and Tanjore, the Carnatic plain is densely peopled. There are more than 400 inhabitants to the square mile. A second district of equal density of population extends from Coimbatore through the Gap to the Malabar coast between the ancient ports of Cochin and Calicut. There are many natural harbours along the Malabar

coast all the way from Bombay southward, but the precipitous and forested Western Ghāts impede communication with the interior. Only from Calicut and Cochin is there an easy road to the Carnatic markets, and this is the more important because the Coromandel coast is beaten with a great surf and has no natural harbours.

To-day there is a railway from Madras through the Gap of Coimbatore to Cochin and Calicut, and from this railway a rack and pinion line has been constructed up into the Nīlgiri heights to give access to the hill station of Ootacamund. There are magnificent landscapes at the edge of the Nīlgiris where the mountains descend abruptly to the plains. On the slopes are great forests in which large game abound, such as sāmbar and tiger. On the heights the vegetation is naturally different from the lowland. The cultivation of the Nīlgiris is chiefly of tea and cinchona.

Northward of the Nīlgiris, on the plateau between the Ghāts, is the large native state of Mysore. The Cauvery river rises in the Western Ghāts, almost within sight of the western sea, and flows eastward across Mysore. As it descends the Eastern Ghāts it makes great falls. Then it traverses the Carnatic lowland past Trichinopoly and Tanjore to the Bay of Bengal. The falls have been harnessed and made to supply power, which is carried electrically for nearly a hundred miles to the Kolār goldfield.

Around the sources of the Cauvery, high in the Western Ghāts, is the little territory of Coorg, no larger than the county of Essex in England. The best of the Indian coffee plantations are in Coorg, which is directly under the British Raj, although administered apart from Madras. Mysore is separated from both coasts by the British Province or Presidency of Madras, which extends through the Gap of Coimbatore.

All the southern extremity of India, except the greater heights, is warm at all times of the year, though the heat is never so great as in the hot season of northern India. There is no cool season in the south comparable with that of the north. In most parts of India there are five cool months, October, November, December, January, and February. March, April, and May are the hot season. The remaining four months constitute the rainy season, when the temperature is moderated by the presence of cloud. In the south, almost girt by the sea, some rain falls at all seasons, but along the Malabar coast the west winds of the summer bring great rains. These winds strike the Western Ghāts and the Nīlgiri hills, and drench them with moisture, so that they are thickly forested. At this season great waterfalls leap down the westward ravines and

feed torrents which rush in short valleys to the ocean. One of the grandest falls in the world is at Gersoppa in the north-west corner of Mysore.

The city of Madras lies low on the coast four hundred miles north of Tuticorin, but the chief military station of southern India is Bangalore on the plateau within Mysore. A hundred years ago, when Sultān Tipū of Mysore had been defeated by the British, Colonel Wellesley, afterwards the great Duke of Wellington, was appointed to command 'the troops above the Ghāts.' The expression is a picture of the contrast between the lowland Presidency and the upland Feudal State.

Madras city, like the other seaports of modern India, has grown from the smallest beginnings within the European period. It has now a population of more than half a million. Until within recent years, however, Madras had no harbour. Communication was maintained with ships in the open roadstead by means of surf boats. Two piers have now been built out into the sea at right angles to the shore. At their extremities they bend inward towards one another so as to include a quadrangular space. None the less there are times when the mighty waves sweep in through the open mouth, rendering the harbour unsafe, so that the shipping must stand out to sea. Almost every summer half a dozen cyclones strike the east coast of India from the Bay of Bengal. When the Madras harbour was half completed the works were overwhelmed by a storm, and the undertaking had to be recommenced. If we consider the surf of the Coromandel coast, and the barrier presented by the Western Ghāts behind the Malabar coast, we have some measure of the comparative isolation of southern India.

From the far south we cross the Bay of Bengal to the far east of India. Burma is the newest province of the Indian Empire, if we except sub-divisions of older units. In race, language, religion, and social customs it is nearer to China than it is to India. In these respects it may be considered rather the first land of the Far East than the last of India, the Middle East. Geographically, however, Burma is in relation with the Indian world across the Bay of Bengal, for it has a great navigable river which drains into the Indian ocean, and not into the Pacific as do the rivers of the neighbouring countries, Siam and Annam. Commercially it is coming every day into closer relation with the remainder of the Indian Empire, for it is a fruitful land of sparse population, which may perhaps be developed in the future by the surplus labour of the Indian plains.

The approach from the sea is unimpressive, for the shore is formed by the delta of the Irrawaddy river. The easternmost of the channels by which that great stream enters the sea is the Rangoon river. The city of Rangoon stands some thirty miles up this channel. The golden spire of its great pagoda rises from among the trees on the first low hill at the edge of the deltaic plain.

Fifty years ago Rangoon was a village. To-day it has a quarter of a million people. Like the other coast towns of India and Ceylon, it owes its greatness to the Europeans who have come over the ocean. In all the earlier ages India looked inward, not outward.

Rangoon is placed where the river makes a bend eastward. The city lies along the north bank for some miles, to the point where the Pegu tributary enters. Black smoke hangs over the Pegu river, for there are many rice mills with tall chimneys along its banks. Rangoon harbour is always busy with shipping. Along its quays are great timber yards and oil mills, for the products of Burma are first and foremost rice, and then timber, especially great logs of teak, harder than oak, and then petroleum. The work of the port and mills is largely in the hands of Indians and Chinese. The Burmese are chiefly occupied with work in the fields.

The geography of Burma is of a simple design. It consists of four parallel ranges of mountain striking southward, and three long intervening valleys. The easternmost range separates Burma and the drainage to the Indian ocean from Siam and the drainage to the Pacific ocean. This great divide is continued through the Malay peninsula almost to Singapore, only one degree north of the equator. The westernmost range divides Burma from India proper, and then follows the west coast of Burma to Cape Negrais. This range is continued over the bed of the ocean, and reappears in the long chain of the Andaman and Nicobar Islands. In its entirety it has a graceful waving lie upon the map, curving first to the west, then to the east, and then again to the west. The two intervening ranges separate the Salween, Sittang, and Irrawaddy valleys.

The valley of the Salween is less deeply trenched between its bounding ranges than are the other two, and therefore has a steeply descending course broken by rapids, and is of small value for navigation. At its mouth is the port of Moulmein. The valley of the Sittang, which is a relatively short river, prolongs the upper valley of the Irrawaddy, for the latter stream makes a westward

bend at Mandalay, and passes by a transverse gap through one of the parallel ridges. Beyond this gap it bends southward again, accepting the direction of its tributary, the Chindwin. The railway from Rangoon to Mandalay runs through the Sittang valley and does not follow the Irrawaddy.

The delta of the Irrawaddy bears the name of Pegu or Lower Burma. The region round Mandalay is Upper Burma. The coastland beyond the westernmost of the mountain ranges is known as Arakan. The coastland south of the mouth of the Salween, beset with an archipelago of beautiful islands, is known as Tenasserim.

The train from Rangoon to Mandalay crosses the broad levels of the delta, passing through endless rice or 'paddy' fields. Only the ears of the grain are lopped off; the straw is burnt as it stands. The Burmans are mostly yeomen, each owning his cattle and doing his own work in the fields. Beyond the delta the railway follows the Sittang river, with hill ranges low on the eastern and western horizons. At Mandalay it comes through to the Irrawaddy again.

There is a hill in the northern suburbs of Mandalay, several hundred feet high, from which you may look over the city. Even when seen from this height the houses are so buried in foliage that the place appears like a wood of green trees. It has a population of about two hundred thousand, so that it is now smaller than upstart Rangoon. Mandalay is the last of three capitals a few miles apart, which at different times in the past century were the seat of the Burmese kings. Amarapura, a few miles to the south, was the capital until 1822. Ava, a few miles to the west, was the capital from 1822 to 1837.

The navigation of the Irrawaddy extends for nine hundred miles from the sea to Bhamo, near the border of the Chinese Empire. As the steamer goes northward from Mandalay the banks are at first flat, with here and there a group of white pagodas. Great rafts of bamboo and teak logs float down the river. At Kathā the flat country is left, for the river there comes from the east through grand defiles, with wooded fronts descending to the water's edge. Bhamo lies low along the river bank beyond the narrows. It is only twenty miles from the Chinese frontier. Many of its houses are raised high upon piles, because of the river floods. Until recently the Kachin hillmen often raided the caravans passing from Bhamo into China.

To realise the antiquity and the splendour of early Burmese civilisation we must descend the Irrawaddy below Mandalay to Pagan. There for some ten miles beside the river, and for three

miles back from its bank, are the ruins of a great capital, which flourished about the time of the Norman Conquest of England. From the centre of the ruined city there are pagodas and temples in every direction.

Pagan is situated in what is known as the dry belt of Burma, the typical vegetation of which is a tall growth of cactus. In Burma the winds of summer and autumn blow from the southwest, as they do in southern India. They bring moisture from the sea, which falls in heavy rain on the west side of the mountains and over the delta. At Rangoon there is an annual rainfall of more than one hundred inches, or more than three times the rainfall of London. At Pagan, however, lying deep in the Irrawaddy valley under the lee of the continuous Arakan range, the rainfall is small, as little as twenty inches in the year, and the climate is hot and evaporation rapid.

Elsewhere in Burma are either rich crops, or the most luxuriant forests of tall leafy trees, full of game and haunted by poisonous snakes. Wild peacocks come from the woods to feed on the rice when it is ripe, and tigers are not unknown in the villages. Only a few years ago a tiger was shot on one of the ledges of the great pagoda in Rangoon. Notwithstanding the age of its civilisation Burma is still subject to a masterful nature. Moreover civilisation is confined to the immediate valleys and delta of the Irrawaddy and Salween. On the forested hills are wild tribes, akin to the Burmese in speech and physique—the Shans in the east, the Kachins in the north, and the Chins in the west. Burma contains but twelve million people—Burmese, Chinese, Hindus, and the hill tribes.

From Burma the passage to Bengal is by steamer, for the Burmese and Indian railway systems have not yet been connected. The heart of Bengal is one of the largest deltas in the world, a great plain of moist silt brought down by the rivers Ganges and Brahmaputra from the Himālaya mountains. But hill country is included along the borders of the province.

To the north the map shows the high tableland of Tibet, edged by the Himālaya range, whose southern slopes descend steeply, but with many foothills, to the level low-lying plains of the great rivers. Eastward of Bengal there is a mountainous belt, rising to heights of more than six thousand feet and densely forested, which separates the Irrawaddy valley of Burma from the plains of India. These mountains throw out a spur westward, which rises a little near its end into the Gāro hills. The deeply trenched, relatively

narrow valley of the Brahmaputra, known as Assam, lies between the Gāro hills and the Himālayas. The southward drainage from the Gāro hills forms a deltaic plain, extending nearly to the port of Chittagong. This plain, traversed by the Meghnā river which gathers water from the Gāro and Khāsi range, is continuous with the delta of Bengal proper.

To the west of Bengal is another hill spur, bearing the name of Rājmahāl, which is the north-eastern point of the plateau of central and southern India. A broad lowland gateway is left between the Gāro and Rājmahāl hills, and through this opening the Brahmaputra and Ganges rivers turn southward and converge gradually until they join with the Meghnā to form a vast estuary. The country west of this estuary is the Bengal delta, traversed by many minor channels, which branch from the right bank of the Ganges before the confluence with the Meghnā. East of the estuary is that other deltaic land whose silt is derived from the south front of the Gāro hills. It is said that the highest rainfall in the world occurs in those hills, when the monsoon sweeps northward from the Bay of Bengal, and blows against their face. The rainfall on a single day in the rainy season is sometimes as great as the whole annual rainfall of London. Little wonder that there is abundance of silt for the formation of the fertile plains below!

The approach to the coast of Bengal, as may be concluded from this geographical description, presents little of interest. At the entrance to the Hooghly river, the westernmost of the deltaic channels, are broad grey mud banks, with here and there a palm tree. From time to time, as the ship passes some more solid ground, there are villages of thatched huts, surrounded by tall green banana plantations.

Calcutta, the chief port and largest town of modern India, is placed no less than eighty miles up the Hooghly on its eastern bank. The large industrial town of Howrah stands opposite on the western bank. Not a hill is in sight round all the horizon. Only the great dome of the post office rises white in the sunshine. Calcutta is connected with the jute mills and engineering works of Howrah by a single bridge. Below this bridge is the port, always thronged with shipping.

Calcutta has grown round Fort William as a nucleus. The present Fort, with its outworks, occupies a space of nearly a thousand acres on the east bank of the Hooghly below the Howrah bridge. To the north, east, and south, forming a glacis for the

fort, is a wide green plain, the Maidān, and beyond this is the city. The European quarter lies to the east of the Maidān. The government offices, and beyond them the great native city, lie to the north. Calcutta with more than a million inhabitants exceeds Glasgow in size, and is the second city of the British Empire.

Three hundred miles away to the north, approached from Calcutta by the East Bengal railway, is Darjeeling, the hill station of Calcutta, as Ootacamund is of Madras. The railway traverses the dead level of the plain, with its thickly set villages and tropical vegetation. There are some seven hundred and fifty thousand villages in India, and they contain about ninety per cent. of the total population. The Province of Bengal has a population equal to that of Great Britain and Ireland, but concentrated on an area less than that of Great Britain without Ireland. Yet it contains only one great city, as greatness of cities is measured in the British Islands.

Mid-way from Calcutta to Darjeeling the Ganges is crossed. The passage occupies about twenty minutes from one low-lying bank to the other. Then the journey is resumed through the rice fields, with their clumps of graceful bamboo, until at last the hills become visible across the northern horizon. The train runs into a belt of jungle at the foot of the first ascent. Passengers change to a mountan railway, which carries them up the steep front, with many a turn and twist. On the lower slopes is tall forest of teak and other great trees, hung thickly with creepers. Presently the timber becomes smaller, and tea plantations are passed with trim rows of green bushes. Far below, at the foot of the steep forest, spreads to the southern horizon the vast cultivated plain. Finally trees of the fir tribe take the place of leafy trees, and the train attains to the sharp ridge top on which is placed Darjeeling, a settlement of detached villas in compounds, hanging on the slopes.

Darjeeling is about seven thousand feet above sea-level, on an east and west ridge, with the plains to the south and the gorge of the Rangīt river to the north. In the early morning, in fortunate weather, the visitor may gaze northward upon one of the most glorious scenes in the world. Over the deep valley at his feet, still dark in the shade, and over successive ridge tops beyond, rises the mighty snow range of the Himālayas, fifty miles away, with the peak of Kinchinjunga, more than five miles high, dominating the landscape. Behind Kinchinjunga, a little to the west, and visible from Tiger hill, near Darjeeling, though not from Darjeeling itself, is Mount Everest, the highest mountain in the world, more than

five and a half miles high. Across the vast chasm and bare granite summits in the foreground, the glittering wall of white mountains seems to hang in the sky as though belonging to another world. The broad distance, and the sudden leap to supreme height, give to the scene a mysterious and almost visionary grandeur. It is, however, only occasionally that the culminating peaks can be seen, for they are often veiled in cloud.

The people of Sikkim, the native state in the hills beyond Darjeeling, are highlanders of Mongolian stock and not Indian. They are of Buddhist religion like the Burmans, and not Hindu or Muhammadan like the inhabitants of the plains. They are small sturdy folk, with oblique cut eyes and a Chinese expression, and they have the easy going humourous character of the Burmans, though not the delicacy and civilisation of those inhabitants of the sunny lowland.

It is an interesting fact that these hill people should belong to the race which spreads over the vast Chinese Empire. That race here advances to the last hill brinks which overlook the Indian lowland. The political map of this part of India illustrates a parallel fact. While the plains are administered directly by British officials, the mountain slopes descending to them are ruled by native princes, whose territories form a strip along the northern boundary of India. North of Assam and Bengal we have in succession, from east to west in the belt of hill country, the lands of Bhutān, Sikkim, and Nepāl. From Nepāl are recruited the Gurkha regiments of the Indian army, the Gurkhas being a race of the same small and sturdy hill men as the people of Sikkim. In other words, they are of a Mongoloid stock, though of Hindu religion.

The Rangīt river drains from the hills of Darjeeling, and from the snow mountains beyond, into a tributary of the Ganges. Several hundred such torrents burst in long succession through deep portals in the Himālayan foot hills and feed the great rivers of the plain. These torrents are perennial, for they originate in the melting of the glaciers, and the Himālayan glaciers cover a vast area, being fed by the monsoon snows. Nearly all the agricultural wealth of northern India owes its origin to the summer or oceanic monsoon, which beats against the Himālayan mountain edge. That edge, gracefully curving upon the map, extends through fifteen hundred miles. The streams which descend from it in long series gather into the rivers Brahmaputra, Ganges, and Indus.

The valley of the Brahmaputra forms the province of Assam. Notwithstanding its vast natural resources, Assam is a country

which, at most periods of its history, has remained outside the Indian civilisation. Even to-day it has but a sparse population and a relatively small commercial development, for it lies on the through road no whither. High and difficult mountains close in the eastern end of its great valley.

The geography of Assam, though very simple, is on a very grand scale. The Tsan-po river rises high on the plateau of Tibet northward of Lucknow. For more than seven hundred miles it flows eastward over the plateau in rear of the Himālayan peaks. Then it turns sharply southward, and descends from a great height steeply through a deep gorge, until it emerges from the mountains at a level not a thousand feet above the sea. At this point, turning westward, it forms the Brahmaputra, 'the son of Brahmā, the Creator.' The Brahmaputra flows for four hundred and fifty miles westward through the valley of Assam, deeply trenched between the snowy wall of the Himālayas on the one hand and the forested mountains of the Burmese border and the Khāsi and Gāro hills on the other hand. The river rolls down the valley in a vast sheet of water, depositing banks of silt at the smallest obstruction. Islands form and reform, and broad channels break away from the main river in time of flood, and there is no attempt to control them. The swamps on either hand are flooded in the rainy season, till the lower valley is one broad shining sea, from which the hills slope up on either side. The traffic on the river is maintained chiefly by exports of tea and timber, and imports of rice for the labourers on the tea estates. Some day, when great sums of money are available for capital expenditure, the Brahmaputra will be controlled, and Assam will become the seat of teeming production and a dense population. The Indian Empire contains three hundred and fifteen million people, but it also contains some of the chief virgin resources of the world.

Where the Brahmaputra bends southward round the foot of the Gāro hills the valley of Assam opens to the plain of Bengal. Across that plain westward, where the Ganges makes a similar southward bend round the Rājmahāl hills, Bengal merges with the great plain of Hindustān, which extends westward and north-westward along the foot of the Himālayas for some seven hundred miles to the point where the Jumna, westernmost of the Gangetic tributaries, leaves its mountain valley. Hindustān begins with a breadth of about a hundred miles between the Rājmahāl hills and the northern mountains, spreads gradually to a breadth of two hundred miles from the foot hills of the Himālayas to the first rise

of the Central Indian hills, and then narrows again to a hundred miles where it merges with the Punjab plain between the Ridge of Delhi and the Himālayas. The great river Jumna-Ganges streams southward from the mountains across the head of the plain to Delhi, and then gradually bends south-eastward and eastward along that edge of the plain which is remote from the mountains, as though it were pinned against the foot of the Central hills by the impact of the successive great tributaries from the north. Three of these tributaries are the Upper Ganges itself, whose confluence is at Allahâbād, and the Gogrā and the Gandak which enter above Patna. The Jumna-Ganges receives from the south the Chambal and Son, long rivers but comparatively poor in water.

Access to the plains of Hindustān was formerly by the navigation of the Ganges and its tributaries. Then the Grand Trunk Road was made from Calcutta to Delhi. More recently the East Indian Railway has been built from Bengal to the Punjab. Both the road and the railway avoid the great bend round the hills by crossing the upland to the west of Rājmahāl. The road descends to the Ganges at Patna, but the railway at Benares, where it crosses by the lowest bridge over the Ganges.

Two great provinces divide the plain of Hindustān between them. In the east is Bihār, with its capital at Patna; in the west are the United Provinces of Agra and Oudh with their capital at Allahābād. For administrative purposes Bihār is now joined with Orissa, the deltaic plain of the Mahānadī river on the coast of Bengal. A broad belt of sparsely populated hills separates Bihār from Orissa, whereas each of these fertile lowlands opens freely to Bengal, the one along the Ganges, and the other along the coast.

When we go from Bengal into Bihār, or from Bihār into the United Provinces it is as though we crossed from one to another of the great continental states of Europe. The population of Bengal is larger than that of France. The population of Bihār and Orissa is equivalent to that of Italy. The population of the United Provinces is nearly equal to that of Germany since the War.

Five considerable cities focus the great population of the United Provinces, Allahābād, Cawnpore, Lucknow, Agra, and Benares. Allahābād is built in the angle of confluence between the Jumna and the Ganges. A hundred miles above Allahābād, on the right or south bank of the Ganges, is the city of Cawnpore, and on the opposite or north bank extends the old kingdom of

ıdh, with Lucknow for its capital, situated some forty miles ırth-east of Cawnpore. Agra, which gives its name to all that ırt of the United Provinces which did not formerly belong to ıdh, is situated on the right or south bank of the Jumna, a ındred and fifty miles west of Lucknow. All these distances lie 'er the dead level of the plain, dusty and like a desert in the dry ason, but green and fertile after the rains. Scattered over the ain are innumerable villages in which dwell nineteen out of 'enty of the inhabitants of the United Provinces.

Eighty miles below Allahābād, on the north bank of the ınges is Benares, the most sacred city of the Hindus. Benares tends for four miles along the bank of the river, which here scends to the water with a steep brink. Down this brink are ıilt flights of steps known as Ghāts, at the foot of which pilgrims the, and dead bodies are burnt. The south bank opposite lies v and is not sacred. The word Ghāt is identical with the name plied geographically to the west and east brinks of the Deccan ateau.

Cawnpore is the chief inland manufacturing city of India, conısted in all its ways with Benares. But none of these cities are ılly great, when compared with the population of the United ovinces. Lucknow is the largest, and has only a quarter of a llion inhabitants. Notwithstanding the great changes now in ›gress, India still presents in most parts essentially the same ›ect as in long past centuries.

If there be one part of India which we may think of as the 'ine of shrines in a land where religion rules all life, it is to be ınd in the triangle of cities—Benares and Patna on the Ganges, l Gayā some fifty miles south of Patna. Benares has been a us of Hinduism from very early times. Patna was the capital the chief Gangetic kingdom more than two thousand years ago en the Greek ambassador Megasthenes, first of the westerns, velled thus far into the east. Gayā was the spot where Buddha, king to reform Hinduism some five hundred years before Christ, ained 'enlightenment,' and then migrated to teach at Benares, 'ather at Sārnāth, now in ruins, three or four miles north of the sent Benares. The peoples of all the vast Indian and Chinese ld, from Karāchi to Pekin and Tokyo, look to this little group ›ities as the centre of holiness, whether they be followers of hmā or of Buddha.

The language of the United Provinces and of considerable ricts to east, south, and west of them, is Hindī, the tongue of

modern India most directly connected with ancient Sanskrit. Hindī is now spoken by a hundred million people in all the north centre of India. It is the language not only of Bihār and the United Provinces, but also of Delhi and of a wide district in Central India drained by the Chambal and Son rivers. Other tongues of similar origin are spoken in the regions around—Bengali to the east, Marāthī and Gujarātī to the south-west beyond the Ganges basin, and Punjābī to the north-west. Away to the south, beyond the limit of the Sanskrit tongues, in the Province of Madras and neighbouring areas, are languages wholly alien from Sanskrit. They differ from Hindī, Bengali, Marāthī, Gujarātī, and Punjābī much as the Turkish and Hungarian languages differ from the group of allied Indo-European tongues spoken in Western Europe. These southern Indian tongues are known as Dravidian. The most important of them are Telegu, spoken by twenty millions, and Tamil spoken by fifteen millions. The Dravidian south, however, and the Āryan north and centre agree generally in holding some form of Hinduism or Islām.

Within the central hills there is a wide district drained northeastward into the Jumna-Ganges chiefly by the rivers Chambal and Son. This district, much less fruitful than the plain of Hindustān, because less abundantly watered, and composed of rocky ground instead of alluvium, is ruled by native chiefs. The British suzerainty is exercised under the Viceroy by the Central Indian Agency. Of the chiefs of Central India the most important are Sindhia and Holkar, two Marāthās ruling Hindi populations. Sindhia's capital, Gwalior, lies a little south of Agra. It is dominated by an isolated rock fort, flat topped and steep sided, more than three hundred feet in height. Indore, Holkar's capital, lies in the land of Mālwā, on high ground about the sources of the Chambal river, a considerable distance south of Gwalior. In the neighbourhood is Mhow, one of the chief cantonments of the Indian army, placed on the high ground for climatic reasons, like Bangalore in southern India.

The long upward slope to the Chambal headstreams ends on the summit of the Vindhya range, a high brink facing southward. From east to west along the foot of the Vindhya face runs the sacred river Narbadā in a deeply trenched valley. Thus the Narbadā has a course at right angles to the northward flowing Chambal streams on the heights above. The Son river occupies almost the same line of valley as the Narbadā, but flows northeastward into the Ganges. On the south side of the Narbadā

valley is the Sātpurā range, parallel with the Vindhya brink, and beyond this is the Tāpti river, shorter than the Narbadā, but flowing westward with a course generally parallel to that of the sacred river. The Narbadā and Tāpti form broad alluvial flats before they enter the side of the shallow Gulf of Cambay. South of the Tāpti begins the Deccan Plateau.

Thus a line of hills and valleys crosses India obliquely from Rājmahāl to the Gulf of Cambay, and divides the rivers of the Indian Upland into three systems. North of the Vindhya brink, over an area as large as Germany, the drainage descends north-eastward to the Jumna-Ganges. Between the Vindhya range and the edge of the Deccan Plateau are the two exceptional rivers, Narbadā and Tāpti, flowing westward in deeply trenched valleys. From the Western Ghāts, and from the hills which cross India south of the Tāpti and Son to Rājmahāl, three great rivers flow south-ward and eastward to the Bay of Bengal—the Mahānadī, Godāvari, and Kistna. The area drained by these three streams of the plateau is a third of India.

The first 'factory' of the English East India Company was at Surat on the lower Tāpti, but Bombay, two hundred miles farther south, long ago supplanted Surat as the chief centre of European influence in Western India. The more northern town had an easy road of access to the interior by the Tāpti valley, but the silt at the river mouth made it difficult of approach from the sea. Bombay offered the security of an island, and has a magnificent harbour between the island and the mainland, far from the mouth of any considerable stream.

Two new facts have of recent years altered all the relations of India with the outer world, and have vitally changed the conditions of internal government as compared with those prevailing even as late as the Mutiny. The first of these facts was the opening of the Suez Canal, and the second was the construction, and as regards main lines the virtual completion, of the Indian railway system. Formerly shipping came round the Cape of Good Hope, and it was as easy to steer a course for Calcutta as for Bombay. To-day only bulky cargo is taken from Suez and Aden round the southern point of India through the Bay of Bengal to Calcutta. The fast mail boats run to Bombay, and thence the railways diverge south-eastward, north-eastward, and northward to all the frontiers of the Empire. Only the Burmese railways remain for the present a detached system. But in regard to tonnage of traffic Calcutta is still the first port of India, for the country which lies in

rear of it—Bengal, Bihār, and the United Provinces—contains more than a hundred million people.

From Bombay inland runs the Great Indian Peninsula Railway. The line branches a short distance from the coast, striking on the one hand south-eastward in the direction of Madras, and on the other hand north-eastward in the direction of Allahābād on the East Indian Railway. Each week, a few hours after the arrival of the mail steamer at Bombay, three express trains leave the Victoria Station of that city. One of them is bound south-eastward for Madras. The second runs north-eastward to Allahābād and then on to Howrah for Calcutta. The third also runs north-eastward, but diverges northward from the Calcutta route to Agra and Delhi. When the Government of India is at Simla the last mentioned train continues beyond Delhi to the foot of the mountains. The time taken to Madras is twenty-six hours, to Calcutta thirty-six hours, and to Delhi twenty-seven hours. Recently a more direct line has been made from Bombay to Calcutta which does not pass through Allahābād, but through Nāgpur. It traverses a hilly country, much forested and relatively thinly peopled, in the upper basins of the Godāvari and Mahānadī rivers.

The two lines of the Great India Peninsula system approach one another from Allahābād and from Madras at an angle. They are carried separately down the steep mountain edge of the Deccan Plateau by two passes, the Thalghāt and the Borghāt which have put the skill of engineers to the test. The junction is in the narrow coastal plain at the foot of the mountains. Thence the rails pass by a bridge over a sea strait into Salsette Island and by a second bridge over a second strait into Bombay Island.

The island of Bombay is about twelve miles long from north to south. At its southern end it projects into the southward Colāba Point and the south-westward Malabar Point, between which facing the open sea, is Back Bay. The harbour, set with hilly islets, lies between Bombay and the mainland, the entry being from the south round Colāba Point. Bombay is now a very fine city, but like the other great seaports of India, it is new—as time goes in the immemorial East. Calcutta was already great when Bombay was but a small place, for a riverway extends through densely peopled plains for a thousand miles inland from Calcutta, whereas the horizon of Bombay is barred beyond the harbour by the mountain face of the Western Ghāts. The real greatness of Bombay came only with the opening of the Suez Canal, and of the railway lines up the Borghāt and the Thalghāt.

The train works up the Ghāts from Bombay through thick forests, and if it be the rainy season past rushing waterfalls, until it surmounts the brink top and comes out on to the plain of the Deccan table-land in the relative drought of the upper climate. The Western Deccan in rear of Bombay constitutes the Marāthā country. The Marāthās are the southernmost of the peoples of Indo-European speech in India. Their homeland on the plateau, round the city of Poona, now forms the main portion of the Province of Bombay. The landscape of the plateau lies widely open, studded here and there with table-topped mountains, not unlike the kopjes of South Africa. These steep-sided isolated mountain blocks have often served as strongholds in warfare.

South-eastward of Poona, but still on the plateau country, is Hyderābād, the largest native state in India. It is ruled under British suzerainty by the Nizām. The majority of the Nizām's subjects speak Telegu and are of Hindu faith, but the Nizām is a Muhammadan. Near his capital, Hyderābād, is Golconda Fort, rising above the open plateau with flat top and cliff sides. The name of Golconda has become proverbial for immensity of wealth. Formerly it was the Indian centre of diamond cutting and polishing.

The wide Deccan Plateau is in most parts of no great fertility. Over large areas it is fitted rather for the pasture of horses and cattle than for the plough. Agriculture is best in the river valleys. But there is one large district lying on the plateau top east of Bombay, and on the hill tops north and south of the Narbadā valley which is of a most singular fertility. The usually granitic and schistose rocks of the plateau have here been overlaid by great sheets of basaltic lava. Detached portions of these lava beds form the table tops of most of the kopje-like hills. The lava disintegrates into a tenacious black soil, which does not fall into dust during the dry season, but cracks into great blocks which remain moist. As the dry season advances these blocks shrink, and the cracks grow broader, so that finally it is dangerous for a horse to gallop over the plain, lest his hoof should be caught in one of these fissures.

This remarkable earth is known as the Black Cotton Soil. The cotton seeds are sown after the rains, and as the young plant grows a clod of earth forms round its roots which is separated from the next similar clod by cracks. Wheat is grown on this soil in the same manner, being sown after the rainy season and reaped in the beginning of the hot season, so that from beginning to end the crop is produced without exposure to rain, being drawn up by

the brilliant sunshine, and fed at the root by the moisture preserved in the heavy soil.

Thus in the part of India which lies immediately east, north-east, and north of Bombay the lowlands and the uplands are alike fertile—the lowlands round Ahmadābād and Baroda, and in the valleys of the Narbadā and Tāpti rivers, because of their alluvial soil, and the uplands round Poona and Indore because they are clothed with the volcanic cotton soil.

The east coast of India, where it trends north-eastward from the mouths of the Godāvari river to those of the Mahānadī, is backed by great hill and forest districts, tenanted by big game and by uncivilised tribes of men. The Eastern Ghāts are here higher than elsewhere, and they approach near to the coast, so that their foot plain affords only a relatively narrow selvage of populated country. Through this coastal plain the railway is carried from Calcutta to Madras.

The reason for the primitive character of this part of the country, and of many of the districts which extend northward through the hills almost to the valley of the Son, is to be found in the conditions of soil and climate. There have been no volcanic outpourings on the gneissic and granitic rocks hereabouts, and the summer cyclones from the Bay of Bengal strike most frequently upon this coast and travel inland in a north-westerly direction. Some of the Gond tribes of the forests, who may perhaps be described as the aborigines of India, still speak tongues which appear to be older than Dravidian. In the more fertile parts of the upper Mahānadī and Godāvari basins are comprised the Central Provinces of the direct British Raj, whose capital is at Nāgpur. The Central Provinces have an area comparable with that of Italy, though their population is but one-third the Italian population. They must not be confused with the Central Indian Agency.

We return to the west coast. The Bombay and Baroda railway runs out of Bombay northward and does not ascend the Ghāts, but follows the coastal plain across the lower Tāpti and Narbadā rivers to Baroda, and thence on, across the alluvial flats of the Mahī and neighbouring small rivers, to Ahmadābād. The Gaikwār of Baroda governs a small but very rich and populous lowland. His people speak Gujarātī, though the Gaikwār is a Marāthā, like Sindhia and Holkar. His territories are so mixed with those of the Bombay Presidency that the map of the plains round Ahmadābād and Baroda city is like that part of Scotland which is labelled Ross and Cromarty. Ahmadābād was once the most important

Muhammadan city of Western India, and contains many fine architectural monuments, surpassed only by those of the great Mughal capitals, Delhi and Agra.

Westward of the alluvial plains of Gujarāt, and beyond the Gulf of Cambay, is the peninsula of Kāthiāwār, a low plateau, lower considerably than the Deccan, but clothed in part with similar sheets of fertile volcanic soil. Baroda has territory in Kāthiāwār, as has also the Presidency of Bombay, but in addition there are a multitude of petty chieftainships. North of Kāthiāwār is another smaller hill district, constituting the island of Cutch. The Rann of Cutch, a marshy area communicating with the sea, separates the island from the mainland. Apart from Travancore and Cochin in the far south, Kāthiāwār and Cutch are the only part of India where Feudal States come down to the coast. There are a few diminutive coastal settlements belonging to the French and Portuguese governments, but these are too insignificant to break the general rule that the shores of India are directly controlled by the British Raj. The largest of the foreign European settlements is at Goa on the west coast south of Bombay. Goa has a fine harbour but the Ghāts block the roads inland.

We have now completed the itinerary of the inner parts of India. What remains to be described is the north-western land of passage where India merges with Irān and Turān—Persia and Turkestān. The Himālayan barrier, and the desert plateau of Tibet in rear of it, so shield the Indian world from the north and north-east that the medieval Buddhist pilgrims from China to Gayā were in the habit of travelling westward by the desert routes north of Tibet as far as the river Oxus, and then southward over the Hindu Kush. Thus they came into India from the north-west, having circumvented Tibet rather than cross it. Great mountain ranges articulate with the Himālayas at their eastern end, and extend into the roots of the peninsula of Further India. Thus the direct way from China into India by the east is obstructed. To-day as we have seen the railway systems of Burma and India are still separate.

The centre of north-western India is occupied by a group of large Native States, known collectively as Rājputāna. Through Rājputāna, diagonally from the south-west north-eastward, there runs the range of the Arāvalli hills for a distance of fully three hundred miles. The north-eastern extremity of the Arāvallis is the Ridge of Delhi on the Jumna river. At their southern end, but separated from the main range by a hollow, is the isolated

Mount Abu, the highest point in Rājputāna, standing up conspicuously from the surrounding plains to a height of some five thousand feet.

East of the Arāvallis, in the basin of the Chambal tributary of the Jumna-Ganges, is the more fertile part of Rājputāna, with the cities of Jaipur, Ajmer, Udaipur, and the old fortress of Chitor. Beyond the Chambal river itself, but within its basin, are Gwalior and Indore, the seats of the princes Sindhia and Holkar. But Gwalior and Indore belong to the Central Indian Agency and not to Rājputāna.

West of the Arāvalli hills is the great Indian desert, prolonged seaward by the salt and partly tidal marsh of the Rann of Cutch. In oases of this desert are some of the smaller Rājput capitals, notably Bīkaner. Beyond the desert flows the great Indus river through a land which is dry, except for the irrigated strips beside the river banks and in the delta of Sind below Hyderābād. South of Mount Abu streams descend from the end of the Arāvalli hills to the Gulf of Cambay through the fertile lowland of Ahmadābād, sunk like a land strait between the plateau of Kāthiāwār to the west and the ends of the Vindhya and Sātpurā ranges to the east. The Arāvallis are the last of the Central Indian hills towards the north-west. Outside the Arāvallis the Indus valley spreads in wide low-lying alluvial plains, like those of the Ganges, but dry.

It would be difficult to exaggerate the importance to India of the existence of the great desert of Rājputāna. The ocean to the south-east and south-west of the peninsula was at most times an ample protection against overseas invasion, until the Europeans rounded the Cape of Good Hope. The vast length of the Himālaya, backed by the desert plateau of Tibet, was an equal defence on the north side. Only to the north-west does India lie relatively open to the incursions of the warlike peoples of Western and Central Asia. It is precisely in that direction that the Indian desert presents a waterless void extending north-eastward from the Rann of Cutch, for some 400 miles, with a breadth of 150 miles. In rear of the desert a minor bulwark is constituted by the Arāvalli range.

Only between the north-eastern extremity of the desert and the foot of the Himālayas below Simla is there an easy gateway into India. No river traverses this gateway, which is on the divide between the systems of the Indus and the Jumna-Ganges. Delhi stands on the west bank of the Jumna at the northern

extremity of the Arāvallis, just where the invading forces from the north-west came through to the navigable waters.

Aided by such powerful natural conditions the Rājputs—the word means 'sons of princes'—were during many centuries the defenders of India against invasion by the direct road to Delhi. Unable at last to stem the tide of Musalmān conquest, they have maintained themselves on the southern flank of the advance, and to-day some of their princely families claim to trace their lineage back in unbroken descent from ancestors before the Christian era. The descendants of conquerors who had won their kingdoms with the sword, they remain even now proud aristocratic clans holding a predominant position in the midst of a population far more numerous than themselves.

Narrow gauge lines branch through Rājputāna in the direction of Delhi, past the foot of Mount Abu, which rises like an island of granite from amid the sandy desert. The top of Abu is a small rugged plateau, measuring fourteen miles by four, in the midst of which is the Gem Lake, a most beautiful sheet of water, set with rocky islands and overhung with great masses of rock. The house of the Resident of Rājputāna is on its shore, for Mount Abu is the centre from which Rājputāna is controlled, so far as is necessary, by the advice of the Viceroy. The summit of Abu also bears some famous ruins of Jain temples.

Some of the most beautiful cities of India are in Rājputāna. Udaipur stands beside a lake, with its palaces and ghāts reflected in the clear waters. Ajmer, now under direct British rule, is set in a hollow among low hills, and is surrounded by a wall. Here also there is a lake, and upon its banks are marble pavilions. Jaipur is a walled city, surrounded by rocky hills crowned with forts. The streets are broad, and cross one another at right angles.

The Rājputāna Agency is as large as the whole British Isles, but it contains only about ten million people, since a great part of it is desert. The Central Indian Agency is about as large as England and Scotland without Wales. It has a population only a little smaller than that of Rājputāna. We may measure the significance of the more important chiefs in these two Agencies by the fact that Sindhia rules a country little less, either in area or population, than the kingdom of Scotland.

From Rājputāna we come to Delhi, which may truly be called the historical focus of all India; for, as we have seen, it commands the gateway which leads from the Punjab plain to Hindustān, the

plain of the Jumna and the Ganges. Here the fate of invasions from India from the north-west has been decided. Some have either never reached this gateway or have failed to force their way through it. The conquests of Darius in the latter part of the sixth century B.C., and of Alexander the Great in the years 327–5 B.C., were not carried beyond the Punjab plain. Such direct influence as they exercised in modifying the character of Indian civilisation must therefore have been confined to this region. On the other hand, the invasions which have succeeded in passing the gateway and in effecting a permanent settlement in Hindustān have determined the history of the whole sub-continent. These belong to two groups, the Āryan and the Musalmān, distinguished by religion, language, and type of civilisation, and separated from each other by an interval of probably some two thousand years.

For the chronology of the Āryan conquests, which may well have extended over many generations or even centuries, we possess no certain dates. All the knowledge which we can hope to gain of the history of this remote period must be gleaned from the study of the ancient scriptures of these Āryan invaders.

The course of Musalmān invasion, which entailed consequences of perhaps equal importance, may be traced with greater precision. If we reckon from the Arab conquest of Sind in 712 A.D. to the establishment of the Sultanate of Delhi in 1193 A.D., we shall see that nearly five centuries elapsed before Musalmān conquest spread from the confines through the Delhi gateway into the very heart of India. During this long period it was held in check by the Rājput princes; and their ultimate failure to impede its progress was due to internal discord which has always been the bane of feudal confederations.

So Delhi, founded by the Rājputs in the neighbourhood of Indraprastha (the modern Indarpat), the capital of the Kurus in the heroic ages celebrated in India's great epic poem, the Mahābhārata, passed into the hands of the invading Musalmāns and with it passed the predominant power in India.

What Benares, and Patna, and Gayā were and are to the Brāhman and Buddhist civilisations native to India, what Calcutta, and Madras, and Bombay, and Karāchi are to the English from over the seas, that were Delhi and Agra to the Musalmāns entering India from the north-west.

More than three centuries and a quarter later another Musalmān invasion, more effective than the former, came into India by way of Delhi. The Mughals or Mongols of Central Asia had

been converted to Islām, and in the time of our King Henry VIII they refounded the Musalmān power at Delhi. For a hundred and fifty years, from the time of our Queen Elizabeth to that of our Queen Anne, a series of Mughal emperors, from Humāyūn to Aurangzeb, ruled in splendid state at Delhi over the greater part of India. Agra, a hundred miles lower down the Jumna, became a secondary or alternative capital, and in these two cities we have to-day the supreme examples of Muhammadan architectural art.

More than sixty-two millions of the Indian population hold the faith of Islām. They are scattered all over the land, usually in a minority, but frequently powerful, for Islām has given ruling chiefs to many districts which are predominantly Hindu. Only in two parts of India are the Musalmāns in a majority, namely in the east of Bengal about Dacca, and in the Indus basin to the north-west. We may think of the Indus basin—lying beyond the desert, low beneath the uplands of Afghānistān—as being an ante-chamber to India proper. In this ante-chamber, for more than nine hundred years the Musalmāns have been a majority.

When the decay of the Mughal Empire began in the time of our Queen Anne, the chief local representatives of the imperial rule, such as the Nizām of Hyderābād, and the Nawābs of Bengal and Oudh, assumed an independent position. It was with these new dynasties that the East India Company came into conflict in the days of General Clive. Thus we may regard the British Empire in India as having been built up from the fragments into which the Mughal Empire broke. In one region, however, the Western Deccan, the Hindus reasserted themselves, and there was a rival bid for empire. From the neighbourhood of Poona the Marāthās conquered eastward to the borders of Bengal, and northward to the walls of Delhi. It was the work of Lord Lake and General Wellesley to defeat the Marāthās.

North-westward of Delhi, in the gateway between the desert and the mountains, the ground is sown over with battlefields—ancient battlefields near the Jumna, where the incoming Musalmāns overthrew the Indian resistance, and modern battlefields near the Sutlej, where advancing British power inflicted defeat upon the Sikhs. It is by no accident that Simla, the residence of the British Viceroy during half the year, is placed on the Himālayan heights above this natural seat of empire and of struggle for empire.

In the Mutiny of 1857 the Sikhs of the Punjab remained loyal to the British rule, although they had been conquered in terrible battles on the Sutlej less than ten years before. So it happened

that some of the British forces in the Punjab were free to march to recapture Delhi, which had been taken by the mutineers. Thus the Indian Mutiny was overcome from two bases; on the one hand at Lucknow and Cawnpore by an army from Calcutta and the sea; and on the other hand at Delhi by an army advancing from the Punjab over the track beaten by many conquerors in previous ages.

The river Jumna runs past Delhi with a southward course, and is there crossed by a great bridge, over which the East Indian Railway runs from Delhi through the United Provinces and Bengal to Howrah, opposite Calcutta. West of Delhi is the last spur of the Arāvalli hills, the famous Ridge of Delhi, striking north-eastward to the very bank of the river. The city lies in the angle between the Ridge and the Jumna. To the north, in the point of the angle, is the European quarter; in the centre is Shāhjahānābād, the modern native Delhi; southward of the modern city is Fīrozābād, or ancient Delhi. Between Shāhjahānābād and the river is the Fort.

The plain southward of Fīrozābād continues to widen between the river and the hills, and is strewn over with still more ancient ruins. To the west of these, at the foot of the hills, and in part upon them, is the site chosen for the new imperial capital of British India. Finally, eleven miles south of Delhi are the buildings of the Kutb Minār, where are some of the few remains of the early Hindu period.

A hundred miles north-north-east of Delhi is Hardwār on the Ganges, at the point where the river leaves the last foothills of the Himālaya and enters the plain. Hardwār is the rival of Benares as a centre of Hindu pilgrimage for the purpose of ablution in the sacred waters. At the annual fair are gathered hundreds of thousands of worshippers. The great day at Hardwār is near the end of March when the Hindu year begins. Then, according to tradition, the Ganges river first appeared from its source in the mountains. The water at Hardwār is purer than at Benares in the plain. It flows swiftly and is as clear as crystal.

From near Darjeeling until near Hardwār the foothills of the Himālaya for five hundred miles belong to the Gurkha kingdom of Nepāl, whose capital is Kātmāndu. Notwithstanding its close connexion with the Indian army, Nepāl is counted as an independent state, over which British suzerainty does not formally extend. From Hardwār, however, for seven hundred miles north-westward to where the Indus breaks from the mountains, the foothills

belong to the Empire, and upon them stand, high above the plain a series of hill stations. The first of these stations is Mussoorie not far northward of Hardwār. Mussoorie is about a mile abov sea level. Close by, but lower down, is Dehra Dūn, the head quarters of the Gurkha Rifles. Hereabouts the Tarai, an elephant haunted jungle belt, follows the foothills, separating them fron the cultivated plains. A hundred miles farther along the mountai brink is Simla, the summer capital of India, high on a spur abov the divide between the Indus and the Ganges. The snow ofte rests on the ground in the winter at Simla.

Immediately to the north of Simla the Sutlej, tributary to th Indus, trenches a way out of the mountains, and where it issues o to the plain is the off-take of a great system of irrigation canal The lowland north-westward of Delhi has a sparse rainfall, for th monsoon has lost much of its moisture thus far north-westwar from the Bay of Bengal. As a result of the construction of th irrigation canals colonies have been established between the Sutle and the Jumna, and wheat is grown on thousands of square mile that were formerly waste. India has a great population, but wit modern methods of water supply, and more advanced methods o cultivation, there is still ample room for settlement within it boundaries.

Two Sikh Feudal States, Patiāla and Nābha, are included withi the area now irrigated from the Sutlej, but Amritsar, the holy cit of the Sikhs, lying beyond the Sutlej, about two hundred and fift miles from Delhi, is under the immediate British Raj. Fifty mile west of Amritsar is Lahore, the old Musalmān capital of th Punjab. We conquered the Punjab from the Sikhs, but for man centuries it had been ruled by the Musalmāns. In the break-up o the Mughal Empire during the eighteenth century, invaders cam from Persia and from Afghānistān, who carried devastation eve as far as Delhi. In their wake, with relative ease, the Sikh contemporaries of the Marāthās of Poona, established a dominio in the helpless Punjab. They extended their rule also into th mountains of Kashmīr, north of Lahore.

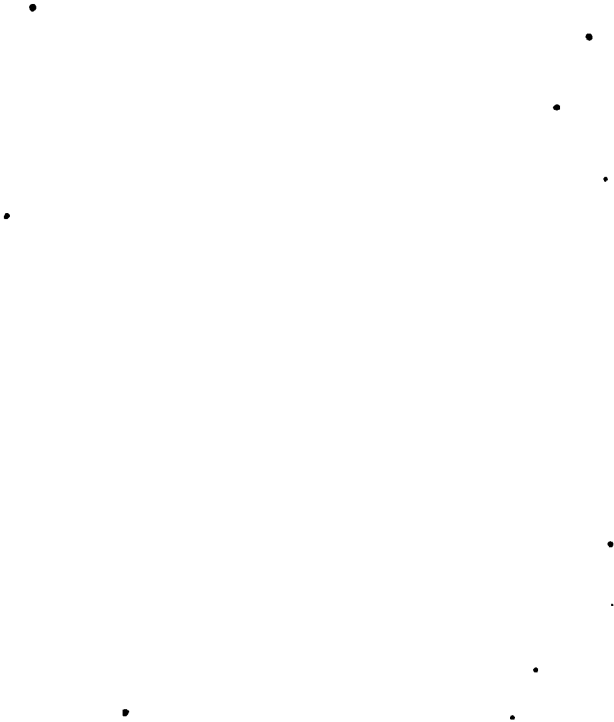
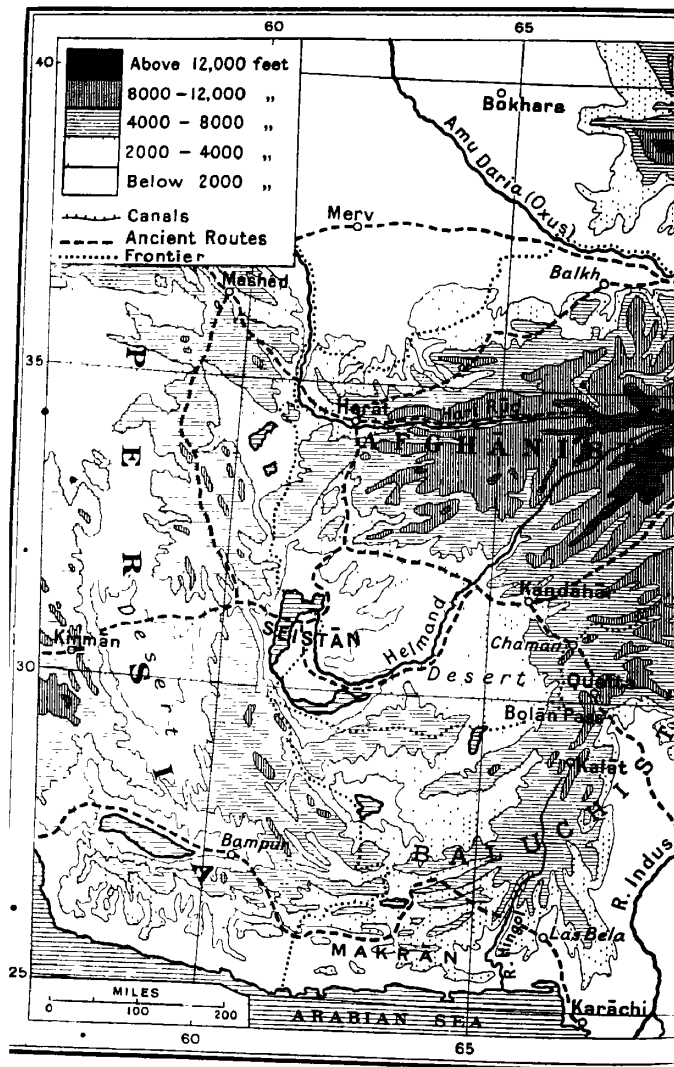
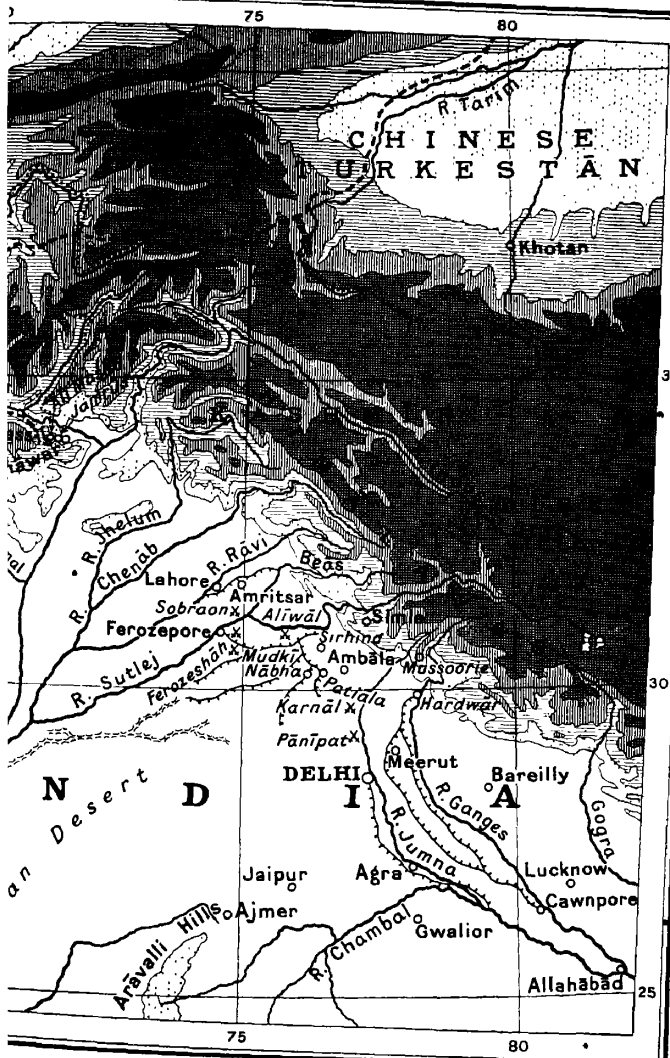
In all the British Empire there is but one land frontier o which warlike preparation must ever be ready. It is the north west frontier of India. True that there is another boundar even longer, drawn across the American continent, but ther fortunately only customs-houses are necessary, and an occasiona police guard. The north-west frontier of India, on the othe hand, lies through a region whose inhabitants have been recruite

MAP 2

PHYSICAL MAP
OF
N.W. INDIA
AND THE
ADJACENT COUNTRIES

Above 12,000 feet
8000 - 12,000 „
4000 - 8000 „
2000 - 4000 „
Below 2000 „
Canals
Ancient Routes
Frontier
60
65
40
35
30
25
Bokhara
Amu Daria (Oxus)
Merv
Balkh
Mashed
Herat
AFGHANISTAN
PERSIA
Kirman
Desert
SEISTAN
Helmand
Kandahar
Chaman
Desert
Quetta
Bolan Pass
Kalat
BALUCHISTAN
Bampur
R. Indus
Las Bela
R. Hingol
MAKRAN
Karachi
ARABIAN SEA
MILES
0
100
200

E ADJACENT COUNTRIES

George Philip & Son. Ltd

throughout the ages by invading warlike races. Except for the Gurkha mountaineers of Nepāl, the best soldiers of the Indian army are drawn from this region, from the Rājputs, the Sikhs, the Punjābi Musalmāns, the Dogrā mountaineers north of the Punjab, and the Pathān mountaineers west of the Punjab. The provinces along this frontier, and the Afghān land immediately beyond it, are the one region in all India from which, under some ambitious lead, the attempt might be made to establish a fresh imperial rule by the overthrow of the British Raj. Such is the teaching of history, and such the obvious fate of the less warlike peoples of India, should the power of Britain be broken either by warfare on the spot, or by the defeat of our navy. Beyond the north-west frontier, moreover, in the remoter distance, are the continental powers of Europe.

The Indian army and the Indian strategical railways are therefore organised with special reference to the belt of territory which extends north-east and south-west beyond the Indian desert, and is traversed from end to end by the Indus river. This frontier belt divides naturally into two parts. Inland we have the Punjab, where five rivers—the Indus, Jhelum, Chenāb, Rāvi, and Sutlej—emerging from their mountain valleys, gradually close together through the plain to form the single stream of the Lower Indus; seaward we have Sind, where the Indus divides into distributaries forming a delta.

Sind is a part of the Bombay Presidency, for it is connected with Bombay by sea from the port of Karāchi. Of late a railway has been constructed from Ahmadābād, in the main territory of Bombay, across the southern end of the desert to Hyderābād, at the head of the Indus delta. The Punjab is a separate province, with its own lieutenant-governor at Lahore, and a population as large as that of Spain.

To understand the significance of the north-west frontier of India we must look far beyond the immediate boundaries of the Empire. Persia, Afghānistān, and Baluchistān form a single plateau, not so lofty as Tibet, but still one of the great natural features of Asia. This plateau in its entirety is most conveniently known as Irān. On all sides the Irānian plateau descends abruptly to lowlands or to the sea, save in the north-west, where it rises to the greater heights of Armenia, and in the north-east, where it rises to the lofty Pāmirs. Southward and south-westward of Irān lie the Arabian sea and the Persian gulf, and the long lowland which is traversed by the rivers Euphrates and Tigris. Northward, to the

east of the Caspian sea, is the broad lowland of Turkestān or Turān, traversed by the rivers Oxus and Jaxartes, draining into the sea of Aral. Eastward is the plain of the Indus. The defence of India from invasion depends in the first place on the maintenance of British sea-power in the Persian gulf and the Indian ocean, and in the second place on our refusal to allow the establishment of alien bases of power on the Irānian plateau, especially on those parts of it which lie towards the south and east.

In the north-east corner of Irān, west of the Punjab, a great triangular bundle of mountain ridges splays out westward and southward from the north-east. These ridges and the intervening valleys constitute Afghānistān. Flowing from the Afghān valleys we have on the one hand the Kābul river, which descends eastward to the Indus, and on the other hand the greater river Helmand, which flows south-westward into the depressed basin of Seistān in the very heart of Irān. There the Helmand divides into many channels, forming as it were an inland delta, from which the waters are evaporated by the hot air, for there is no opening to the sea. The valley of the Kābul river on the one hand, and the oasis of Seistān on the other, might in the hands of an enemy become bases wherein to prepare for the invasion of India. Therefore, without annexing this intricate and difficult upland, we have declared it to be the policy of Britain to exclude from Afghānistān and from Seistān all foreign powers.

There are two lines, and only two, along which warlike invasions of N.W. India have been conducted in historical times. On the one hand the mountains become very narrow just north of the head of the Kābul river. There a single though lofty ridge, the Hindu Kush, is all that separates the basin of the Oxus from that of the Indus. Low ground, raised only a few hundred feet above the sea, is very near on the two sides of the Hindu Kush. There are several ways into India over this great but single range and down the Kābul valley. The most famous is known as the Khyber route, from the name of the last defile through which the track descends into the Indian plain.

The other route of invasion lies five hundred miles away to the west and south-west. There the Afghān mountains come suddenly to an end, and an easy way lies round their fringe for four hundred miles over the open plateau, from Herāt to Kandahār. This way passes not far from Seistān. South-eastward of Kandahār it descends through a mountainous district into the lowland of the Indus. This is now called the Bolān route, from the last gorge

towards India; but in ancient times the road went farther south over the Mūla Pass. It debouches upon the plain opposite to the great Indian desert. Therefore the Khyber route has been the more frequently trodden, for it leads directly, between the desert and the mountains, upon the Delhi gateway of inner India.

Another line of communication connecting India with Persia passes through the Makrān, or the barren region lying along the coast of Baluchistān. This route was much frequented by Arab traders in the Middle Ages; and by it at an earlier epoch Alexander the Great led back one detachment of his forces with disastrous results. But apart from this return march, and the Indian expeditions of Semiramis and of Cyrus which it was designed to emulate and which may or may not be historical, this route seems not to have been followed by any of the great invasions of India in historical times.

The practical significance of all this geography becomes evident not only when we study the history of Ancient India but also when we consider the modern organisation of the Indian defensive forces. They are grouped into a northern and a southern army. The northern army is distributed from Calcutta past Allahābād and Delhi to Peshāwar, the garrison city on the frontier. All the troops stationed along this line may be regarded as supporting the brigades on the Khyber front. The southern army is similarly posted with reference to Quetta on the Bolān route. It is distributed through the Bombay and Madras Presidencies, whence Quetta can be reinforced by sea through the port of Karāchi.

The conditions of the defence of India have been vitally changed by the construction of the North-Western Railway from Karāchi through the Indus basin, with branches towards the Bolān and the Khyber. To-day that defence could be conducted over the sea directly from Britain through Karāchi, so that the desert of Rājputāna would lie between the defending armies and the main community of India within.

Karāchi stands at the western limit of the Indus delta, in a position therefore comparable to that of Alexandria beside the Nile delta. The railway keeps to the west of the river for more than three hundred miles as far as Sukkur, where is the Lansdowne bridge, eight hundred and forty feet long, between Sukkur and Rohri on the east bank. This is the very heart of the rainless region of India. During twelve years there were only six showers at Rohri. A scheme is under consideration for damming the Indus near this point, in order that the irrigation canals below may be

fed, not only in time of flood as at present, but in the season of low water as well.

From Sukkur a branch railway traverses the desert north-westward to the foot of the hills below the Bolān pass. This part of the desert occupies a re-entering angle of lowland, with the mountains of Afghānistān to the north and those of Baluchistān to the west. On the map, the Afghān ranges have the effect of being festooned from the Bolān eastward and northward. The railway ascends to Quetta either by the Mushkāf valley—the actual line of the Bolān torrent having been abandoned—or by a longer loop line, the Harnai, which runs to the Pishīn valley, north of Quetta. The latter is the usual way. By the Mushkāf route the line is carried over a boulder-strewn plain about half a mile broad in the bottom of a gorge, with steeply rising heights on either side. Here and there the strip of lower ground is trenched and split by deep canyons. At first the rails follow the Mushkāf river, and the gradients are not very severe, but once Hirok, at the source of the Bolān river, is passed, a gradient of one in twenty-five begins, and two powerful engines are required to drag the train up. The steep bounding ridges now close in on either side, with cliffs rising almost perpendicularly to several hundred feet. Occasional blockhouses high up amid the crags defend the pass.

The gradients of the Harnai route are not quite so steep as those of the Mushkāf. Should either way be blocked or carried away by landslips or floods, the other would be available. The Harnai line passes through the Chappar rift, a precipitous gorge in a great mass of limestone. The old Bolān gorge way of the caravans was dangerous because of the sudden spates which at times filled all the bottom between the cliffs.

Quetta lies about a mile above sea-level in a small plain, surrounded by great mountains rising to heights of two miles and more. Irrigation works have been constructed, so that Quetta is now an oasis amid desert mountains. It has a population of some thirty thousand. The Agent General for British Baluchistān resides there. The town is very strongly fortified, for it commands the railways leading from the Khojak pass down into India. Quetta and Peshāwar are the twin keys of the frontier.

From Quetta there is a railway north-westward for another hundred and twenty miles to Chaman on the Afghān frontier, where is the last British outpost. This line pierces the Khojak ridge by a tunnel and then emerges on the open upland plain of

rān. The rails are kept ready at Chaman for the continuation of he track to Kandahār, seventy miles further.

We return to Rohri on the Indus. The North-Western Railway ow runs to the east of the river and soon enters the Punjab. Not ery long ago all this land was a desert. To-day, as the result of great investment of British capital, irrigation works have changed he whole aspect of the country. The plain of the Indus has become ne of the chief wheat fields of the British Empire, for wheat is the rincipal crop in the Punjab, in parts of Sind, and—outside the asin of the Indus itself—in the districts of the United Provinces hich lie about Agra. The wheat production of India on an verage of years is five times as great as that of the United Kingdom, and about half as great as that of the United States. n the three years 1910–12 the export of wheat from India to the Jnited Kingdom exceeded that from the United States to the Jnited Kingdom.

The brown waste of the plains of the Punjab becomes, after he winter rains, a waving sea of green wheat, extending over housands of square miles. Far beyond the area within which the ainfall alone suffices, the lower Punjab and the central strip of ind have been converted into a second Egypt. Though the avigation of the Indus is naturally inferior to that of the Ganges, et communication has been maintained by boat from the Punjab o the sea from Greek times downward. The Indus flotilla of teamboats has however suffered fatally from the competition of he North-Western Railway, and the wheat exported from Karāchi s now almost wholly rail-borne.

At Multān, a considerable mercantile city near the Chenāb, the ailway forks to Lahore and Peshāwar. From Lahore the triangle s completed by a line to Peshāwar along the foot of the mountains, ast the great military station of Rāwalpindi. The lines from ahore and Multān unite on the east bank of the Indus, fifty miles ast of Peshāwar, just below the point where the Kābul tributary nters. They cross the Indus by the bridge of Attock. Above Rāwalpindi is the hill station of Murree. The long tongues of land etween the five rivers of the Punjab are known as Doābs, a word hich in Persian has the significance of Mesopotamia in Greek. Punjab signifies the land of five rivers.

Peshāwar is the capital of the North-West Frontier Province reated in 1901, a strip of hilly country beyond the Indus. Unlike ts sister Quetta, it lies in the Indian lowland at the foot of he Khyber pass. It has about a hundred thousand inhabitants,

chiefly Musalmān. In the Bāzār are to be seen representatives of many Asiatic races, for Peshāwar is the market of exchange where the great road from Samarkand and Bukhāra, over the Hindu Kush and through Kābul, by the Khyber meets the road from Delhi and Lahore. Here you may buy skeins of Chinese silk, brought by the same roundabout ways that were trodden by the Chinese pilgrims in the Middle Ages.

Jamrūd, at the entrance to the Khyber, lies some nine miles west of Peshāwar. In the Sarāi at Jamrūd all caravans going into India or returning to Central Asia halt for the night. The great Bactrian camels, two-humped and shaggy, present an unwonted contrast with the smaller Indian camels. The fort of Alī Masjid, nearly three thousand feet above the sea, crowns the steep ascent to the crest of the pass. At Landi Kotal begins the descent into Afghānistān. Thus the Khyber is a saddle in the heights, not the gorge of a torrent as is the Bolān. The Kābul river flows through an open valley until it nears the British frontier. Then it swerves through a precipitous chasm by a northward loop. The road is therefore carried over the intervening mountain spur.

The Khyber is protected by its own hill tribes, enlisted in the Khyber Rifles. We have brought these Pathān mountaineers into the service of law and order by enrolling them in military forces, just as the Scottish highlanders were enrolled in the British army in the eighteenth century. The Pathāns are born fighters. They love fighting for its own sake, and many a curious tale is told of the vendettas intermittently continued when the Khyber riflemen of Peshāwar return from time to time on furlough to their homes in the hills.

The Indus river rises, like the Brahmaputra, high on the plateau of Tibet to the north of Benares, and flows north-westward through the elevated valley of Leh until it reaches the 36th parallel of latitude. There it turns south-westward and cleaves its way through the Himālayas by the grandest gorge in the world. You may stand on the right bank of the Indus and look across the river to where the summit of Nanga Parbat descends by a single slope of four miles—measured vertically—to the river bank, every yard of the drop being visible.

Within the great northward angle thus made by the Indus is a second smaller valley amid the mountains, which is also drained through a gorge to the Punjab. This is the famous valley of Kashmīr, whose central plain, sheltered in every direction by lofty snow-clad mountains, is a sunny paradise of fertility. Srīnagar is

he capital of Kashmir, whose Mahārāja rules also over Ladākh capital Leh) formerly a province of Tibet.

The northernmost outposts of the Empire are in the valleys of Gilgit and Chitrāl, which diverge south-eastward and south-west-ward to the Indus and Kābul rivers. Enframing Gilgit and Chitrāl s a great angle of the loftiest mountain ridge, which may be ikened, as it appears upon the map, to a pointed roof sheltering ll India to the south. The south-eastward limb of the angle is he Karakoram range, and the south-westward is the Hindu Kush ange. The north-western extremity of the Himālaya fits into the ngle of the Karakoram and the Hindu Kush, from which it is eparated by the valleys of Leh, Gilgit, and Chitrāl.

The Karakoram is backed by the heights of the Tibetan plateau, ere it is true at their narrowest, but none the less almost in-ccessible, except for one or two passes at heights of 18,000 feet, hich are traversed in the summer time by a few Yak caravans. n the Karakoram is mount Godwin Austen, second only to Everest mong the mountains of the world. There also are the largest laciers outside the Arctic and Antarctic regions.

The Hindu Kush, notwithstanding its elevation, is in marked ontrast to the Karakoram. It is a single broad ridge, backed by o plateau, and is notched by some relatively low passes. The idge itself may be crossed in a few days or even hours at heights f twelve and thirteen thousand feet. The difficulties of access rom the valley head of Kābul to the lowland of Bactria on the xus lie rather in the approaches to the passes than in the passes hemselves. But human patience has in all ages succeeded in urmounting these difficulties; and the Hindu Kush, although the atural boundary of India north-westward, has been no effective arrier either in a military or a commercial sense.

There is lateral communication between the Khyber and Bolān outes outside the Indian frontier and yet within the Hindu Kush. he route follows a chain of valleys between Kābul and Kandahār hrough Ghazni. Along it from Kandahār to Kābul the army of lexander the Great marched to his Bactrian and Indian cam-aigns: and it again became famous in the last generation because f the march of General Roberts from Kābul to the relief of Kandahār during the Afghān war of 1882. From this Kābul-Kandahār road several passes penetrate the mountainous belt of he Indian frontier, presenting alternative exits from the two runk routes. But amid the maze of mountains north of the Kābul-Kandahār line, there are no practicable alternatives to

the two ways—over the Hindu Kush and over the plateau from Seistān.

The long barrier of the Hindu Kush seems as if it were designed by nature to be the protecting boundary of India on the north-west. It is the 'scientific frontier' which in the last century British policy sought in vain to secure. At the present time it lies mostly within the 'buffer state' of Afghānistān which was created as the best alternative. But there have been periods in history when it has formed the actual, as well as the ideal, limit of the Indian empire. In the last quarter of the fourth century B.C., within a few years of the departure from India of Alexander the Great, it separated the dominions of the Maurya emperor of India, Chandragupta, from those of Seleucus Nicator, Alexander's successor in the eastern portion of his vast empire. In about the middle of the third century B.C. the Seleucid province of Bactria, which lay immediately to the north of the Hindu Kush, became an independent kingdom, from which, when the Maurya empire declined and the barrier was no longer adequately protected, a second series of Greek invasions poured into India about 200 B.C.

The river Indus also appears at first sight to form a natural boundary between India and Irān; but in this case it would be more correct historically to say that the country through which it flows has more frequently been the cause of contention between India and Irān. The very name India, 'the country of the Indus,' was first known to the West as that of a province of the Persian empire. In Herodotus, the Greek historian of the wars between the Persian empire and Greece in the early part of the fifth century B.C., it bears its original meaning. At a later date, Greek and Roman writers, as so often happens in geographical nomenclature, transferred the name of the best known province to the whole country and set an example which has since been followed universally.

Thus we conclude a rapid survey of the historical and political geography of a vast region. The south and centre of India is structurally an island, whose steep brinks, the Western and Eastern Ghāts, are continued—beyond the coastal selvage and the strip of shallow water off shore—by renewed steep descents into the abysses of the Arabian sea and the Bay of Bengal, two miles deep. This great island has granitic foundations, although it is clothed in places with volcanic rocks. Its landward brinks are marked by mount Abu, the Arāvalli hills, the ridge of Delhi, and the long low eastward curve of hills ending at Rājmahāl, where the principal

al seams of India rest on the granitic base. The salient angles Delhi and Rājmahāl are received, at a distance, by the great -entering angles of the main framework of Asia, constituted by e brink of Irān beyond the Indus, the Himālayan brink of Tibet, d the mountains of the Burmese border. Between these rocky nits—salient on the Indian side and re-entering on the Asiatic le—extends a broad alluvial plain, two hundred miles in average eadth, and two thousand miles long, from the mouths of the inges northward to the foot of the mountains, then north-stward along that foot to the Punjab, and then south-westward the mouths of the Indus.

The Indian heights proper are so relatively low, attaining to ght or nine thousand feet only in the far south, that the whole ography of India seems to be dominated by the Himālayas. We cover our sense of the true proportions only when we reflect that en the Himālayas are only five or six miles high, and that India two thousand miles long. None the less the Himālayas and bet are in a very real sense the controlling fact of Indian ography. They pierce upward through more than half the mosphere into highland climates, and therefore constitute for in a mighty natural boundary. They also guide and limit the nds of the lower air, and thus govern the Indian climate. India an agricultural land, whose tillage is everywhere dependent, her directly or indirectly, upon the moisture brought from the ithern ocean by the great wind swirl of the summer and autumn onsoon. That swirl strikes the Malabar coast as a south-west nd, sweeps over Bengal as a south wind, and drives up the nges plains as a south-east wind. The whole movement is luced by suction to where the air is rising over the hot plains the Middle Indus. There in the summer is one of the hottest ices, if not the hottest place in the world. The winds which ne down to it off the Irānian plateau, thus completing the swirl eam off a dry land, and bring no moisture. In the winter a dry, ght wind, the north-east monsoon, descends from Tibet over all lia. Only in the Punjab and in the far south are there con-erable winter rains. The Punjab is in Mediterranean latitudes, ere it rains in the winter.

By these physical characteristics India is made fruitful, and is the same time more than half isolated from the rest of the rld. The most primitive of its inhabitants are the Gonds and ier tribes, who have been driven into the forest recesses of the ls eastward of the Deccan plateau and into other regions difficult

of access throughout the sub-continent. The Dravidian languages have been preserved in the southern promontory. The Āryan and later invaders from western and central Asia have come from the north-west through the passage of Delhi, and have thence dispersed south-eastward down the Ganges to Bengal, and south-westward to the fertile Gujarāti and Marāthā countries. Through the eastern mountains, which sever the Indian Empire from China, have penetrated in historical times few great invasions; and these have not been far-reaching in their political results. But if we may judge from the physical types and languages of the populations, and from their social characteristics, there has been from prehistoric times onwards a constant infiltration of Mongolian stock, not only abundantly into Burma, and along the Tsan-po valley to the foot-hills of the Himālaya, but also in lesser degree into Assam and into the eastern parts of Bengal about Dacca.

From the days of the Greek pilot Hippalus, the monsoons have carried some sea traffic to and fro over the Arabian sea from the direction of Aden. Sind was raided by Muhammadans overseas. But Sind lies outside the desert of Rājputāna. The Malabar coast long had commercial intercourse with the Nearer East, and thus indirectly with Christendom. But the Western Ghāts lie behind the Malabar coast. In the south of India, on that coast, are two curious relics of this traffic, two small ancient communities of Jews and of Christians. But these are exceptional. The one gateway of India which signified, until modern times, was the north-western land-gate. Most of the history which is to be narrated in these volumes bears, directly or indirectly, some relation to that great geographical fact.

CHAPTER II

A. PEOPLES AND LANGUAGES

THE Indian Empire is the abode of a vast collection of peoples who differ from one another in physical characteristics, in language, and in culture more widely than the peoples of Europe. Among them the three primary ethnographical divisions of mankind—the Caucasian or white type, with its subdivisions of blonde and dark, the Mongolian or yellow type, and the Ethiopian or black type—are all represented: the first two by various races in the sub-continent itself, and the last by the inhabitants of the Andaman Isles. Four of the great families of human speech—the Austric, the Tibeto-Chinese, the Dravidian, and the Indo-European—are directly represented among the living languages of India, of which no fewer than two hundred and twenty are recorded in the *Census Report* for 1911; while a fifth great family, the Semitic, which has been introduced by Muhammadan conquerors in historical times, has, through the medium of Arabic and Persian, greatly modified some of the Indian vernaculars. The Austric, Tibeto-Chinese, and Indo-European families are widely spread elsewhere over the face of the earth. The Dravidian has not been traced with absolute certainty beyond the limits of the Indian Empire; but there is evidence which seems to indicate that it was introduced into India in prehistoric times.

The drama of Indian history, then, is one in which many peoples of very diverse origin have played their parts. In all ages the fertility and the riches of certain regions, above all the plain of the Ganges, have attracted invaders from the outside world; while over-population and the desiccation of the land have given an impulse to the movements of peoples from the adjacent regions of Asia. Thus both the attracting and the expulsive forces which determine migrations have acted in the same direction. It is true indeed that the civilisations which have been developed in India have reacted, and that Indian religions, Indian literature, and Indian art have spread out of India and produced a deep and far-reaching influence on the countries of Further Asia; but the migrations and

the conquests which provided the human energy with which these civilisations were created have invariably come into India from the outside. And the peninsular character of the sub-continent has retained invaders within its borders, with the result that racial conditions have tended to become ever more and more complex. The outcome of the struggle for existence between so many peoples possessing different traditions and different ideals is to be seen in the almost infinite variety of degrees of culture which exists at the present day. Some types of civilisation have been progressive; others have remained stationary. So that we now find, at one extreme of the social scale, communities whose members are contributing to the advancement of the literature, science, and art of the twentieth century, and, at the other extreme, tribes still governed by their primitive constitutions, still using the implements and weapons, and still retaining the religious ideas and customs of their remote ancestors in the Stone Age.

The Himālayas form an effective barrier against direct invasions from the north: the exceedingly toilsome passes in their centre are traversed only by a few patient traders or adventurous explorers. But at the western and eastern extremities, river valleys and more practicable mountain passes afford easier means of access. Through these gateways swarms of nomads and conquering armies, from the direction of Persia on the one hand and from the direction of China on the other, have poured into India from time immemorial.

By routes passing through Baluchistān on the west and Afghānistān on the north-west, the country of the Indus has been repeatedly invaded by peoples belonging to the Caucasian race from Western Asia, and by peoples belonging to the Northern or Mongolo-Altaic group of the Mongolian race from Central Asia. But these immigrations were not all of the same nature, nor did they all produce the same effect on the population of India. In the course of time their character became transformed. At the most remote period they were slow persistent movements of whole tribes, or collections of tribes, with their women and children, their flocks and herds: at a later date they were little more than organised expeditions of armed men. The former exercised a permanent influence on the racial conditions of the country which they invaded: the influence of the latter was political or social rather than racial.

This change in the nature of invasions was the gradual effect of natural causes. Over large tracts of Asia the climate has changed within the historical period. The rainfall has diminished or ceased;

ıd once fruitful lands have been converted into impassable deserts. ɔth Irān and Turkestān, the two reservoirs from which the streams migration flowed into the Indus valley, have been affected by is desiccation of the land. Archaeological investigations in ›istān and in Chinese Turkestān have brought to light the monuents of ancient civilisations which had long ago passed into ›livion. Especially valuable from the historical point of view are e accounts given by Sir Aurel Stein of his wonderful discoveries Chinese Turkestān. From the chronological evidence, which he .s so carefully collected from the documents and monuments dis›vered, we are enabled to ascertain the dates, at which the various ıcient sites were abandoned because of the progressive desiccation ıring a period of about a thousand years (first century B.C. to nth century A.D.). We may thus realise how it has come to pass at a region which once formed a means of communication not ıly between China and India, but also between China and Europe, .s now become an almost insuperable barrier. The same causes .ve tended to separate India from Irān. The last irruption which netrated to Delhi, the heart of India, through the north-western .teway was the Persian expedition of Nādir Shāh in 1739.

The routes which lead from the east into the country of the ınges seem not to have been affected to the same extent by matic changes. The invaders from this quarter belonged to the ›uthern group of the Mongolian race, the home of which was obably in N.W. China. They came into India partly from Tibet ›wn the valley of the Brahmaputra, and partly from China through ırma by the Mekong, the Salween, and the Irrawaddy. To other ›stacles which impeded their progress were added the dense owth of the jungle and its wild inhabitants. Tribal migrations ɔm these regions can scarcely be said to have ceased altogether en now. But they are held in check by the British occupation Upper Burma. The movements to the south-west and south of e Kachins, a Tibeto-Burman tribe, from the north of Upper ırma have in recent times afforded an illustration of the nature these migrations (*Imp. Gaz.* XIV, pp. 253–5).

Thus have foreign races and foreign civilisations been brought to India, the history of which is in a large measure the story of e struggle between newcomers and the earlier inhabitants. Such vasions may be compared to waves breaking on the shore. Their rce becomes less the farther they proceed, and their direction is ›termined by the obstacles with which they come in contact. ıe most effective of these obstacles, even when human effort is

the direct means of resistance, are the geographical barriers which nature itself has set up. We shall therefore best understand the distribution of races in the sub-continent if we remember its chief natural divisions.

The ranges of the Vindhya system with their almost impenetrable forests have in all ages formed the great dividing line between Northern and Southern India. In early Brāhman literature they mark the limits beyond which Āryan civilisation had not yet penetrated, and at the present day the two great regions which they separate continue to offer the most striking contrasts in racial character, in language, and in social institutions. But the Vindhyas can be passed without difficulty at their western and eastern extremities, where lowlands form connecting links with the plains of the Indus and the Ganges. The coastal regions are therefore transitional. They have been more directly affected by movements from the north than the central plateau of the Deccan.

In Northern India, natural boundaries are marked by the river Indus, by the Thar or Great Desert of Rājputāna, and by the sub-Himālayan fringe which is connected on the east with Assam and Burma.

The seven geographical regions thus indicated form the basis for the ethnographical classification of the peoples of India which is now generally accepted. The scheme was propounded by the late Sir Herbert Risley in the *Census Report* for 1901. Its details are the result of careful measurements and observations extending over many years. It is conveniently summarised in the *Imperial Gazetteer* (new edition, vol. I, pp. 292 ff.) from which the descriptions in the following account are quoted. The physical types are here enumerated in an order beginning from the south, instead of from the north-west as in the original scheme:

1. The Dravidian type in the larger section of the peninsula which lies to the south of the United Provinces and east of about longitude 76° E. 'The stature is short or below mean; the complexion very dark, approaching black; hair plentiful, with an occasional tendency to curl; eyes dark; head long; nose very broad, sometimes depressed at the root, but not so as to make the face appear flat.'

This was assumed by Risley to be 'the original type of the population of India, now modified to a varying extent by the admixture of Āryan, Scythian, and Mongoloid elements.' It must be remembered, however, that, when the term 'Dravidian' is thus used ethnographically, it is nothing more than a convenient label.

t must not be assumed that the speakers of the Dravidian lan-uages are aborigines. In Southern India, as in the North, the ıme general distinction exists between the more primitive tribes f the hills and jungles and the civilised inhabitants of the fertile acts; and some ethnologists hold that the difference is racial and ot merely the result of culture. Mr Thurston, for instance, says:

It is the Pre-Dravidian aborigines, and not the later and more cultured ravidians, who must be regarded as the primitive existing race.... These Pre-ravidians...are differentiated from the Dravidian classes by their short stature ıd broad (platyrhine) noses. There is strong ground for the belief that the Pre-ravidians are ethnically related to the Veddas of Ceylon, the Toalas of the elebes, the Batin of Sumatra, and possibly the Australians. (*The Madras 'residency*, pp. 124–5.)

It would seem probable, then, that the original speakers of the ravidian languages were invaders, and that the ethnographical ravidians are a mixed race. In the more habitable regions the vo elements have fused, while representatives of the aborigines re still to be found in the fastnesses to which they retired before ıe encroachments of the newcomers. If this view be correct, we ıust suppose that these aborigines have, in the course of long ages, ›st their ancient languages and adopted those of their conquerors. 'he process of linguistic transformation, which may still be bserved in other parts of India, would seem to have been carried ut more completely in the South than elsewhere.

The theory that the Dravidian element is the most ancient 'hich we can discover in the population of Northern India, must lso be modified by what we now know of the Muṇḍā languages, ıe Indian representatives of the Austric family of speech, and the ıixed languages in which their influence has been traced (p. 48). Iere, according to the evidence now available, it would seem that he Austric element is the oldest, and that it has been overlaid in ifferent regions by successive waves of Dravidian and Indo-uropean on the one hand, and by Tibeto-Chinese on the other. Iost ethnologists hold that there is no difference in physical type etween the present speakers of Muṇḍā and Dravidian languages. 'his statement has been called in question; but, if it be true, it hows that racial conditions have become so complicated that it is o longer possible to analyse their constituents. Language alone ıas preserved a record which would otherwise have been lost.

At the same time, there can be little doubt that Dravidian ınguages were actually flourishing in the western regions of Northern India at the period when languages of the Indo-European

type were introduced by the Aryan invasions from the north-west. Dravidian characteristics have been traced alike in Vedic and Classical Sanskrit, in the Prākrits or early popular dialects, and in the modern vernaculars derived from them. The linguistic strata would thus appear to be arranged in the order—Austric, Dravidian, Indo-European.

There is good ground, then, for supposing that, before the coming of the Indo-Āryans, speakers of the Dravidian languages predominated both in Northern and in Southern India; but, as we have seen, older elements are discoverable in the populations of both regions, and therefore the assumption that the Dravidians are aboriginal is no longer tenable. Is there any evidence to show whence they came into India?

No theory of their origin can be maintained which does not account for the existence of Brāhūī, the large island of Dravidian speech in the mountainous regions of distant Baluchistān which lie near the western routes into India. Is Brāhūī a surviving trace of the immigration of Dravidian-speaking peoples into India from the west? Or does it mark the limits of an overflow from India into Baluchistān? Both theories have been held; but, as all the great movements of peoples have been into India and not out of India, and as a remote mountainous district may be expected to retain the survivals of ancient races while it is not likely to have been colonised, the former view would *a priori* seem to be by far the more probable. The reasons why it has not been universally accepted is that the racial character of the Brāhūis is now mainly Irānian, and not Dravidian in the Indian sense of the term. But the argument from race is not so conclusive as may appear at first sight. The area in which the Dravidian Brāhūī is still spoken forms part of the region which is occupied by Turko-Irānian peoples; and the peculiar tribal constitution of the Brāhūis is one which, unlike the caste-system, does not insist on social exclusiveness, but, on the contrary, definitely invites recruitment from outside. This is clear from the account given in the *Gazetteer* of the 'Baloch and Brāhūi type of tribe':

The second type of Turko-Irānian tribe is based primarily not upon agnatic kinship, but upon common good and ill: in other words, it is cemented together only by the obligations arising from the blood-feud. There is no eponymous ancestor, and the tribe itself does not profess to be composed of homogeneous elements.... The same principles hold good in the case of the Brāhūī...whose numbers have been recruited from among Afghāns, Kūrds, Jadgāls, Baloch, and other elements. (*Imp. Gaz.* I, p. 310.)

Such circumstances must necessarily change the racial character of the tribe by a gradual process which might well in the course of ages lead to a complete transformation. There is therefore nothing in the existing racial conditions, and equally nothing in the existing physical conditions[1], to prevent us from believing that the survival of a Dravidian language in Baluchistān must indicate that the Dravidians came into India through Baluchistān in prehistoric times. Whether they are ultimately to be traced to a Central Asian or to a Western Asian origin cannot at present be decided with absolute certainty; but the latter hypothesis receives very strong support from the undoubted similarity of the Sumerian and Dravidian ethnic types[2].

2. The Indo-Āryan type in Kashmīr, the Punjab from the Indus to about the longitude of Ambāla (76°46′ E.), and Rājputāna. 'The stature is mostly tall; complexion fair; eyes dark; hair on face plentiful; head long; nose narrow and prominent, but not specially long.'

The region now occupied by peoples of this type forms the eastern portion of the wide extent of territory inhabited by Āryan settlers in the earliest historical times—the period of the Rigveda, probably about 1200 B.C. Their oldest literature, which is in a language closely connected with ancient Persian, Greek, and Latin, supplies no certain indication that they still retained the recollection of their former home; and we may reasonably conclude, therefore, that the invasions, which brought them into India, took place at a date considerably earlier.

The Indo-Āryans came from Bactria, over the passes of the Hindu Kush into S. Afghānistān, and thence by the valleys of the Kābul river, the Kurram, and the Gumal—all of them rivers well known to the poets of the Rigveda—into the N.W. Frontier Province and the Punjab. In the age of the Rigveda they formed five peoples, each consisting of a number of tribes in which the women were of the same race as their husbands. This is proved conclusively by their social and religious status. We may be certain, therefore, that the invasions were no mere incursions of armies, but gradual progressive movements of whole tribes, such as would have been impossible at a later date, when climatic causes had transformed the physical conditions of the country (p. 38). On

[1] For the remains of ancient culture in this region, see *Imp. Gaz.* I, p. 302; XIV, p. 300.

[2] Hall, *The Ancient History of the Near East* (4th ed.), pp. 173–4. The converse view is, however, held by the author, viz. that the Sumerians came into Western Asia from India.

this point the evidence of literature receives the support of ethnology; for only thus, according to Risley, can be explained the uniform distribution of the Indo-Āryan racial type throughout the region which it occupies, and the strongly marked contrasts which it presents to types prevailing in regions to the east and south. Later settlements necessarily consisted almost entirely of men. Such modifications of the racial character as would be produced by inter-marriage with the women of the country would, in the course of time, cease to be recognisable. They would be as difficult to trace as the Roman factor in the population of Britain.

3. The Turko-Irānian type in the N.W. Frontier Province, Baluchistān, and those districts of the Punjab and Sind which lie west of the Indus. 'Stature above mean; complexion fair; eyes mostly dark, but occasionally grey; hair on face plentiful; head broad; nose moderately narrow, prominent, and very long.'

The northern section of the region now inhabited by peoples of this type, that is to say, the country of the north-western tributaries of the Indus, was, in the times of the Rigveda, occupied by Indo-Āryans. The predominant racial character of the whole region is due to the invasion of Mongolo-Altaic peoples from Turkestān on the one hand, and of Persian Āryans or Irānians on the other. The Indus is the ethnographical boundary between the Turko-Irānian and Indo-Āryan types, just as in history it has often been the political boundary between Irān and India.

4. The Scytho-Dravidian type in Sind east of the Indus, Gujarāt, and the western section of the peninsula as far as about longitude 76° E., that is to say, the Bombay Presidency or Western India generally. 'The type is clearly distinguished from the Turko-Irānian by a lower stature, a greater length of head, a higher nasal index, a shorter nose, and a lower orbito-nasal index.'

This type, of which the Marāthās are the chief representatives, occupies a position between the broad-headed Turko-Irānians and the long-headed Dravidians. Its designation assumes that the foreign broad-headed element was introduced during the period of Scythian (Çaka) rule in Western India (c. 120–380 A.D.). But there can be little doubt that its origin must be traced to a period far more remote. The Çakas were among those military conquerors who broke into the Punjab after the downfall of the Maurya Empire; and it can scarcely be supposed that the extension of their power to Western India materially affected the race. The fact that their Scythian names, as is shown by coins and inscrip-

tions, became Hinduised after a few generations, is conclusive proof that they were forced to adapt themselves to their social environment. We must therefore seek the disturbing racial influence in some earlier tribal immigration of which no other memorial now remains. The invaders probably belonged to the broad-headed Alpine race which inhabited the plateaus of Western Asia (Anatolia, Armenia, and Irān)[1]; and they would seem to have come into Western India, as the Dravidians also most probably came, through Baluchistān before desiccation had made the routes impassable for multitudes.

5. The Āryo-Dravidian or Hindustāni type in the plain of the Ganges from about longitude 76° 30′ E. to 87° E.; that is to say, in the eastern fringe of the Punjab, in the United Provinces, and in Bihār. 'The head-form is long, with a tendency to medium; the complexion varies from lightish brown to black; the nose ranges from medium to broad, being always broader than among the Indo-Āryans; the stature is lower than in the latter group, and usually below the average' (i.e. it ranges from 5′ 3″ to 5′ 5″).

The Āryo-Dravidian type occupies the ancient Madhyadeça, or 'the Midland Country,' extending, according to Manu (II, 21) from Vinaçana, where the river Sarasvatī loses itself in the Great Desert, to Allahābād, together with some five degrees of the country farther east. It is a mixed type caused apparently by the Indo-Āryan colonisation of a region previously held by a population mainly Dravidian. The Indo-Āryan type does not, as might have been expected from analogous instances, shade by imperceptible degrees into the Āryo-Dravidian type; but a marked change from the former to the latter is observable about the longitude of Sirhind. It is evident, then, that the waves of tribal migration must have been impeded at this point, and that the Indo-Āryan influence farther east must be due rather to warlike or peaceful penetration than to the wholesale encroachment of multitudes.

To explain this abrupt transition, the theory of a second Āryan invasion, which is supposed to have come into the plain of the Ganges from the Pāmirs through Gilgit and Chitrāl, was propounded by the late Dr Hoernle and has been generally accepted in the official publications of the Government of India. This theory is made improbable by the physical difficulties of the route suggested, and some of the arguments adduced in its favour are demonstrably mistaken. There is no such break of continuity between the tribes of the Rigveda and the peoples of the later

[1] Haddon, *The Wanderings of Peoples*, pp. 12, 17.

literature as it presupposes[1]. At the same time it seemed to be supported by the existing distribution of the Indo-Āryan languages; but, as will be seen (p. 50), an equally satisfactory explanation of this distribution may be suggested.

Apart from this theory, the conclusions of ethnology are entirely in accord with the historical indications of the literature. The ethnographical limit is also the dividing line between the geography of the Rigveda and the geography of the later Vedic literature. In the Rigveda Āryan communities have scarcely advanced beyond the country of the river Sarasvatī (Sirhind), which for ever afterwards was remembered with especial veneration as Brahmāvarta, 'the Holy Land.' In the Brāhmaṇas the centre of religious activity has been transferred to the adjacent country on the south-east, i.e. the upper portion of the doāb between the Jumna and the Ganges, and the Muttra District of the United Provinces. This was Brahmarshideça—'the Country of the Holy Sages.' Here it was that the hymns of the Rigveda, which were composed in the North-West—the country of the 'Seven Rivers' as it is called (*Rv.* VIII, 24, 27)—were collected and arranged; and here it was that the religious and social system which we call Brāhmanism assumed its final form—a form which, in its religious aspect, is a compromise between Āryan and more primitive Indian ideas, and, in its social aspect, the result of the contact of different races. After Brāhman culture had thus occupied what has in all ages been the commanding position in India, its trend was still eastwards; and the country of the 'Seven Rivers,' though not altogether forgotten, occupies a place of less importance in the later literature.

Both of the facts above mentioned—the abrupt transition from the Indo-Āryan to the Āryo-Dravidian type, and the extension of Āryan influence from Brahmāvarta to Brahmarshideça—are best understood if we remember the natural feature which connects the plain of the Indus with the plain of the Ganges. This is the strait of habitable land which lies between the desert and the mountains. Its historical significance has already been noticed[2]. It is in this strait that the decisive battles, on which the fate of India has depended, have been fought; and here too we may suppose that the progress of racial migrations from the north-west in prehistoric times must have been checked. Both politically and ethnographically it forms a natural boundary. In the age of the Rigveda the Āryans had not yet broken through the barrier, though the Jumna is mentioned in a hymn (VII, 18, 19) in such a way as to indicate

[1] See Chapters V, p. 119 and XIII, p. 302.

[2] Chapter I, pp. 22 f.

that a battle had been won on its banks. It was only at some later date that the country between the Upper Jumna and Ganges and the district of Delhi were occupied. A record of this occupation has been preserved in some ancient verses quoted in the Çatapatha Brāhmaṇa (XIII, 5, 4, 11–14) which refer to the triumphs celebrated by Bharata Dauḥshanti after his victories on the Jumna and the Ganges, and to the extent of his conquests. In their new home the Bharatas, who were settled in the country of the Sarasvatī in the times of the Rigveda (see III, 23, 4), were merged in the Kurus; and their whole territory, the new together with the old, became famous in history under the name Kurukshetra—'the Field of the Kurus.' This was the scene of the great war of the descendants of Bharata Dauḥshanti, and the centre from which Indo-Āryan culture spread, first throughout Hindustān, and eventually throughout the whole sub-continent. The epoch of Indo-Āryan tribal migration was definitely closed. It was succeeded by the epoch of Indo-Āryan colonisation.

6. The Mongoloid type in Burma, Assam, and the sub-Himālayan tract which includes Bhutān, Nepāl, and the fringe of the United Provinces, the Punjab, and Kashmīr. 'The head is broad; complexion dark, with a yellowish tinge; hair on face scanty; stature short or below average; nose fine to broad; face characteristically flat; eyelids often oblique.'

The term Mongoloid denotes the racial type which has been produced by the invasion of peoples of the Southern Mongolian race from Tibet and China. We have already seen how these peoples have from time immemorial been coming down the river valleys into Burma and Northern India (p. 39); and we shall learn more about them, and about the earlier inhabitants with whom they intermingled, when we consider the evidence of language (p. 49).

7. The Mongolo-Dravidian or Bengali type in Bengal and Orissa. 'The head is broad; complexion dark; hair on face usually plentiful; stature medium; nose medium, with a tendency to broad.'

This type is regarded as 'probably a blend of Dravidian and Mongoloid elements, with a strain of Indo-Āryan blood in the higher groups.' The region in which it prevails lay beyond the geographical ken of the earlier literature. It comes into view first in the later literature (the epics and Purāṇas) when it was occupied by a number of peoples among whom the Vaṅgas (from whom Bengal has inherited its name) and the Kaliṅgas of Orissa were the

chief. On the north-west it is separated from the Aryo-Dravidian area by what is now also the political dividing-line between Bihār and Bengal. In regard to this limit, as marking the extent of Indo-Āryan influence at an early date, ethnology and literature are fully in agreement. In the Atharvaveda the Magadhas of the Patna and Gayā Districts, and the Aṅgas of the Monghyr and Bhāgalpur Districts in Southern Bihār, are mentioned in a manner which indicates that they were among the most distant of known peoples (see *Vedic Index*, II, p. 116); while a legend in the Çatapatha Brāhmaṇa (I, 4, 1, 10 ff.) preserves the memory of the spread of Brāhmanism from the west into Videha, or Tirhut in Northern Bihār. The traces of Indo-Āryan descent, which have been observed in the higher social grades of Bengal and Orissa, must be due to colonisation at a later date.

On the south-west the Mongolo-Dravidians are separated from the Dravidians by the north-eastern apex of the plateau of the Deccan, where, in the Santāl Parganas and the Chotā Nāgpur Division, hills and forests have preserved a large group of primitive tribes, some of whom continue to speak dialects of the oldest form of language known in India.

It is here that we find the Muṇḍā languages, which, like the Mon-Khmer languages of Assam and Burma, are surviving representatives of the Austric family of speech, the most widely diffused on earth. It has been traced 'from Easter Island off the coast of South America in the east to Madagascar in the west, and from New Zealand in the south to the Punjab in the north' (*Census Report*, 1911, I, p. 324).

The Muṇḍā languages are scattered far and wide. They are found not only in the Santāl Parganas and Chotā Nāgpur, but also in the Mahādeo Hills of the Central Provinces, and in the northern districts of the Madras Presidency; and they form the basis of a number of mixed languages which make a chain along the Himālayan fringe from the Punjab to Bengal.

The Mon-Khmer languages are similarly dispersed. They survive in the Khāsi Hills of Assam, in certain hilly tracts of Upper Burma, in the coastal regions of the Gulf of Martaban in Lower Burma, in the Nicobar Islands, and in some parts of the Malay Peninsula.

Thus Austric languages, which still flourish in Annam and Cambodia, remain in India and Burma as islands of speech to preserve the record of a far distant period when Northern India (possibly Southern India also) and Farther India belonged to the

ame linguistic area. And there is some evidence that they ıared the same culture in neolithic times; for the 'chisel-shaped, igh-shouldered celts' are specially characteristic of these regions[1]. here can be little doubt that the Indian and Burmese tribes who peak Austric languages are descended from the neolithic peoples ho made these celts. We may regard them as representing the arliest population concerning which we possess any definite infor-ıation. Other tribes may have an equal claim to antiquity; but ıey have abandoned their ancestral speech and adopted that of ıeir more recent and more progressive neighbours. Their title is onsequently less clear.

Invasions from the east, some of them historical, have brought ıto the ancient domain of Austric speech languages belonging to vo branches of the Tibeto-Chinese family—the Tibeto-Burman and ıe Siamese-Chinese. Tibeto-Burman has occupied the western half f Burma, where it is represented by Burmese, and the sub-Himā-yan fringe of India; while Siamese-Chinese has prevailed in the han States of eastern Burma. The influence of each has, at different eriods, extended to Assam, where at the present day both have given lace to Assamese, an Āryan language closely related to Bengali.

In the same way the Austric languages have been submerged y successive floods of Dravidian and Indo-European from the west nd north-west. Dravidian languages, with the exception of rāhūī, are now confined to the peninsula south of the Vindhyas nd to Ceylon; but it is supposed that, at the period of the Āryan ıvasions, they prevailed also in the north. This inference is erived from the change which Indo-European underwent after its ıtroduction into India, and which can only be explained as the sult of some older disturbing element. The oldest form of Indo-ryan, the language of the Rigveda, is distinguished from the oldest rm of Irānian, the language of the Avesta, chiefly by the presence a second series of dental letters, the so-called cerebrals. These ay an increasingly important part in the development of Indo-ryan in its subsequent phases. They are foreign to Indo-European nguages generally, and they are characteristic of Dravidian. We ay conclude, then, that the earlier forms of speech, by which ıdo-European was modified in the various stages of its progress om the north-west, were predominantly Dravidian.

At the present time Dravidian languages are stable only in the untries of the south where they have developed great literatures ke Tamil, Malayālam, Kanarese, and Telugu. In the northern

[1] Chapter xxvi, p. 613.

borders of the Dravidian sphere of influence, the spoken languages which have not been stereotyped by literature are, as each succeeding Report of the Census of India shows, still continuing to retreat before the onward progress of Indo-Āryan. The process, as it may be observed at the present day in India as elsewhere, has been admirably described by Sir George Grierson, whose observations are most valuable as explaining generally the manner in which the language of a more progressive civilisation tends to grow at the expense of its less efficient rivals.

> When an Āryan tongue comes into contact with an uncivilised aboriginal one, it is invariably the latter which goes to the wall. The Āryan does not attempt to speak it, and the necessities of intercourse compel the aborigine to use a broken 'pigeon' form of the language of a superior civilisation. As generations pass this mixed jargon more and more approximates to its model, and in process of time the old aboriginal language is forgotten and dies a natural death. At the present day, in ethnic borderlands, we see this transformation still going on, and can watch it in all stages of its progress. It is only in the south of India, where aboriginal languages are associated with a high degree of culture, that they have held their own. The reverse process, of an Āryan tongue being superseded by an aboriginal one never occurs. (*Imp. Gaz.* I, pp. 351–2.)

But the advancing type does not remain unaffected. Each stage in its progress must always bear traces of the compromise between the new and the old; and, as each recently converted area tends in its turn to carry the change a step farther, the result is that the influence of the progressive language is modified in an increasing degree. Thus is produced a series of varieties, which through the development of their peculiar features become in course of time distinct species differing from the original type and from each other in accordance with their position in the series.

We are thus furnished with a satisfactory explanation of the distribution of the Indo-Āryan languages. As classified by the Linguistic Survey they radiate from a central area occupied by the Midland languages, the chief representative of which is Western Hindī. In the north of this area lay the country of the Kurus and Pañchālas where, according to the Çatapatha Brāhmaṇa (III, 2, 3, 15) speech, i.e. Brāhman speech, had its home (*Vedic Index*, I, p. 165). This is the centre from which the spread of Brāhmanism and Brāhman culture may be traced historically. From it the language of the Brāhman scriptures extended with the religion and became eventually the sacred language of the whole sub-continent; from it the influence of the Āryan type of speech was diffused in all directions, receiving a check only in the south where the Dravidian languages were firmly established.

Immediately outside the languages of the Midland come those the Inner Band—Punjābī, Rājasthānī and Gujarātī on the west, hārī on the north, and Eastern Hindī on the east; and beyond m the languages of the Outer Band—Kāshmīrī, Lahndā, Sindhī, l Kacchī on the west, Marāthī on the south-west, and Bihārī, ngali, Assamese, and Oriyā on the east.

The Indo-Āryan languages have now extended very considerably the south of Āryāvarta, 'the Region of the Āryans,' as defined Manu (II, 22), i.e. the country between the Himālayas and the ıdhyas from the Bay of Bengal to the Arabian Sea. Orthodox ihmanism, as represented by Manu, directed that all members of 'twice-born' social orders, Brāhmans, Kshatriyas, and Vaiçyas, uld resort to this region, and enjoined that every man of these ers should be instructed in his religious and social duties by Brāhman belonging to one of the peoples of Brahmarshideça ırus, Matsyas, Pañchālas, and Çūrasenas). These, as we have n, inhabited the northern portion of the Midland linguistic area. ve follow the course of the Jumna-Ganges we shall pass from the guages of the Midland through those of the Inner and Outer ıds, and we shall pass from Brahmarshideça through Kosala ıdh), Videha (N. Bihār) and Vaṅga (Bengal), which mark sucsive stages in the spread of Brāhmanism to the eastern limit of ıāvarta as they are reflected in the literature[1].

It is not so easy to trace the relations between Brahmarshideça l the earlier Āryan settlements in the land of the Seven Rivers. s possible that further invasions of which no record has been served may have disturbed both political and linguistic condiıs in the North-West. We know nothing certain about the fate this region until the latter half of the sixth century B.C., when ıdhāra (Peshāwar in the N.W. Frontier Province and Rāwalpindi the Punjab) together with the province of the Indus—'India' perly so called—were included in the Persian empire of the ıaemenids.

The base from which this Persian power expanded into India Bactria (Balkh), the country of the Oxus, which in the reign Cyrus (558–530 B.C.) had become the eastern stronghold of ı. From Bactria the armies of the Achaemenids, like those of xander and many subsequent conquerors, and like the invading es of Indo-Āryans many centuries before, passed over the ıdu Kush and through the valley of the Kābul river into the ntry of the Indus.

[1] *Vedic Index*, II, pp. 237, 298.

Speakers of the two great sections of Āryan languages, Irānians and Indo-Āryans, were thus brought into contact; and as a result of some such contact, whether at this period or at some earlier date, we find a group of mixed languages still surviving where they might be expected, in the transitional zone between the Hindu Kush and the Punjab, that is to say, in the Kābul valley, Chitrāl, and Gilgit. These Piçācha languages, as they are called, were once more widely spread: the Greek forms of place-names, for instance, seem to show that they prevailed in N.W. India in the fourth century B.C.; but at the present time they are merely an enclave in the Irānian and Indo-Āryan domains.

They possess an extraordinarily archaic character. Words are still in every-day use which are almost identical with the forms they assumed in Vedic hymns, and which now survive only in a much corrupted state in the plains of India.

In their essence these languages are neither Irānian nor Indo-Āryan, but are something between both. (*Imp. Gaz.* I, p. 356.)

The most natural explanation of these mixed languages is that they are ancient Āryan (Vedic) dialects which have been overlaid with Irānian as the result of later invasion. The districts in which they are spoken were certainly colonised by the early Āryan settlers, for both the Kābul river (Kubhā) and its tributary the Swāt (Suvāstu) are mentioned in the hymns of the Rigveda.

The contrary view, expressed in the *Imperial Gazetteer* (I, p. 355), viz. that the Piçācha languages are the result of an Āryan invasion of a region originally Irānian, seems to be less probable. It presupposes the existence of an early settlement of Āryans in the Pāmirs, distinct from 'the Āryans proper, who had entered the Punjab by the valley of the Kābul,' and is thus bound up with the hypothesis of a second wave of Āryan immigration.

Beyond the Piçācha languages on the north, and beyond the Outer Indo-Āryan Band on the west, Irānian forms of speech prevail. The most important of these, so far as they are represented within the limits of the Indian Empire, are the Pashto of Afghānistān, the name of which preserves the memory of the Πάκτυες mentioned by Herodotus, and Baloch, the main language of Baluchistān.

The diversity of speech in the Indian Empire, like the diversity of race, is naturally explained as the result of invasions from Western and Further Asia. Such invasions belong to a period which was only brought to a close by the establishment of the British dominion. The power which has succeeded in welding all the subordinate ruling powers into one great system of government is essentially naval; and since it controls the sea-ways, it has been

orced, in the interests of security, to close the land-ways. This ias been the object of British policy in regard to the countries rhich lie on the frontiers of the Indian Empire—Afghānistān, Baluchistān, and Burma. Political isolation has thus followed as a iecessary consequence of political unity. But it must be remem- ered that this political isolation is a recent and an entirely novel eature in the history of India. It is the great landmark which eparates the present from the past.

Man has completed the work which nature had begun; for, as re have seen, climatic changes had for ages past been making ccess into India more and more difficult. The era of tribal aigration had long ago come to an end, and had been succeeded iy the era of conquest. All through history down to the period of British rule we see one foreign power after another breaking hrough the north-western gateway, and the strongest of these rinning the suzerainty over India. But the result in all cases was ittle more than a change of rulers—the deposition of one dominant aste and the substitution of another. The lives of the common eople, their social conditions and systems of local government, rere barely affected by such conquests. Indian institutions have herefore a long unbroken history which makes their study especially aluable.

The chief distinguishing feature of Indian society at the present lay is the caste-system, the origin and growth of which may be raced from an early period. It now divides the great majority of he inhabitants of Northern and Southern India into hundreds of elf-contained social groups, i.e. castes and sub-castes. A man is bliged to marry outside his family, but within the caste, and isually within the sub-caste, to which his family belongs. A family onsists of persons 'reputed to be descended from a common ncestor, and between whom marriage is prohibited.' It is the xogamous social unit. A collection of such units constitutes a ub-caste or caste.

A caste may, therefore, be defined as an endogamous group or collection of uch groups bearing a common name and having the same traditional occupa- ion, who are so linked together by these and other ties, such as the tradition of a ommon origin and the possession of the same tutelary deity, and the same social tatus, ceremonial observances and family priests, that they regard themselves, nd are regarded by others, as forming a single homogeneous community. (*Census Report*, 1911, I, p. 367.)

The institution is essentially Brāhmanical, and it has spread rith the spread of Brāhmanism. It either does not exist, or exists

only in an imperfect state of development, in countries where Buddhism has triumphed, such as Burma and Ceylon. It would indeed appear to rest ultimately on two doctrines which are distinctively Brâhmanical—the doctrine of the religious unity of the family, which is symbolised by the offerings made to deceased ancestors, and the doctrine of *sva-karma*, which lays on every man the obligation to do his duty in that state of life in which he has been born.

The orthodox Hindu holds that the caste-system is of divine appointment and that it has existed for all time. But the sacred books themselves, when they are studied historically, supply evidence both of its origin and of its growth. The poets of the Rigveda know nothing of caste in the later and stricter sense of the word; but they recognise that there are divers orders of men—the priests (Brahmā or Brāhmaṇa), the nobles (Rājanya or Kshatriya), the tillers of the soil (Viç or Vaiçya), and the servile classes (Çūdra). Between the first three and the fourth there is a great gulf fixed. The former are conquering Āryans: the latter are subject Dasyus. The difference between them is one of colour (*varṇa*): the Āryans are collectively known as 'the light colour,' and the Dasyus as 'the dark colour.' So far, there was nothing peculiar in the social conditions of North-Western India during the early Vedic period. The broad distinction between conquerors and conquered, and the growth of social orders are indeed universal and inevitable. But, while in other countries the barriers which man has thus set up for himself have been weakened or even entirely swept away by the tide of progress, in India they have remained firmly fixed. In India human institutions have received the sanction of a religion which has been concerned more with the preservation of social order than with the advancement of mankind.

Before the end of the period covered by the hymns of the Rigveda a belief in the divine origin of the four orders of men was fully established; but there is nowhere in the Rigveda any indication of the castes into which these orders were afterwards subdivided[1]. The word 'colour' is still used in its literal sense. There are as yet only two *varṇas*, the light and the dark. But in the next period, the period of the Yajurveda and the Brāhmaṇas, the term denotes 'a social order' independently of any actual distinction of colour, and we hear for the first time of mixed *varṇas*, the offspring of parents belonging to different social orders.

[1] For various views on this subject, see Chapters IV, pp. 92–4; V, pp. 125 ff.; VIII, pp. 208–10; X, pp. 234–6.

It is to such mixed marriages that the law-books (cf. Manu, x, 6 ff.) attribute the origin of the castes (*jāti*) strictly so-called. To some extent the theory is undoubtedly correct. Descent is a chief factor, but not the only factor, involved in the formation of caste, the growth of which may still in the twentieth century be traced in the Reports of the decennial Census. Primitive tribes who become Hinduised, communities who are drawn together by the same sectarian beliefs or by the same occupation, all tend to form castes. Tribal connexion, religion, and occupation therefore combine with descent to consolidate social groups and, at the same time, to keep these social groups apart.

The caste-system is, as we have seen, a distinctive product of Brāhmanism, a code which regards the family, and not the congregation, as the religious unit. And so strong did this social system become that it has affected all the other religions. The most probable explanation of the very remarkable disappearance of Buddhism from the greater part of the sub-continent, where it was once so widely extended, is that Buddhism has been gradually absorbed into the Brāhman caste-system, which has also, though in a less degree, influenced the followers of other faiths—Jains, Muhammadans, Sikhs, and even native Christians. We must conclude, then, that the caste-system has accompanied the spread of Brāhmanism from its first stronghold in the country of the Upper Jumna and Ganges into other regions of Northern India and finally into Southern India; and we must expect to find its complete record only in Brāhman literature. Caste must naturally be less perfectly reflected in the literature of other faiths.

Neglect of these fundamental considerations has led to much discrepancy among writers on the early social history of India. Students of the Brāhman books have asserted that the caste-system existed substantially in the time of the Yajurveda (say 1000–800 B.C.): students of the Buddhist books have emphatically declared that no traces of the system in its later sense are to be detected in the age of Buddha (c. 563–483 B.C.). Both parties have forgotten that they were dealing with different regions of Northern India—the former with the country of the Kurus and Pañchālas, the home of Brāhmanism (the Delhi Division of the Punjab with the north-western Divisions of the Province of Agra), the latter with Kosala and Videha, the home of Buddhism (Oudh and N. Bihār). They have forgotten, too, that the records, on which they depend for their statements, are utterly distinct in character. On the one hand, the Brāhman books are permeated

with social ideas which formed the very foundation of their religion: on the other hand, the Buddhist books regard any connexion between social status and religion as accidental rather than essential.

B. SOURCES OF HISTORY

The caste-system is the outcome of a long process of social differentiation to which the initial impulse was given by the introduction of a higher civilisation into regions occupied by peoples in a lower stage of culture. The Āryan settlers, as represented by the sacrificial hymns of the Rigveda, were both intellectually and materially advanced. Their language, their religion, and their social institutions were of the Indo-European type like those of the ancient Persians of the Avesta and the Greeks of the Homeric poems; and they were skilled in the arts and in the working of metals.

The prehistoric archaeology of India has not attracted the attention which it deserves, and many interesting problems connected with the earlier cultures and their relation to the culture of the Rigveda remain to be solved; but there is a general agreement as to the succession of cultural strata in Northern and Southern India. The discoveries of ancient implements seem to prove that in the North the Stone Age is separated from the Iron Age by a Copper Age; while in the South no such transitional stage has been observed—implements of stone are followed without a break by implements of iron. Bronze, it appears, is not found anywhere in India before the Iron Age. If these facts may be held to be established, we must conclude that the chief metal of the Rigveda, *ayas* (Latin *aes*), was copper; and the absence of a Copper Age in Southern India would seem to indicate that the earlier inhabitants generally were still in the Stone Age at the time when the Āryans brought with them the use of copper. Iron was probably not known in the age of the Rigveda; but it undoubtedly occurs in the period immediately following when it is known to the Yajurveda and Atharvaveda as *çyāma ayas* or 'black copper.' Its use was introduced by Indo-Āryan colonisation into Southern India where the Stone Age of culture still prevailed.

Described in its simplest terms, the earliest history of India is the story of the struggle between two widely different types of civilisation, an unequal contest between metal and stone. All the records for many centuries belong to the higher type. They are exclusively Indo-Āryan. They have been preserved in literary

languages developed from the predominant spoken languages under the influence of the different phases of religion which mark stages in the advance of Indo-Āryan culture from the North-West. The language of the Rigveda, the oldest form of Vedic Sanskrit, belongs to the country of the Seven Rivers. The language of the Brāhmaṇas and of the later Vedic literature in the country of the Upper Jumna and Ganges (Brahmarshideça) is transitional. It shades almost imperceptibly into Classical Sanskrit, which is the literary representation of the accepted form of educated speech of the time and region. As fixed by the rules of the grammarians it became the standard language of Brāhman culture in every part of India; and it is still the ordinary medium of communication between learned men, as was Latin in the Middle Ages of Europe.

In the sixth century B.C., after Indo-Āryan influence had penetrated eastwards beyond the limits of 'the Middle Country,' there arose in Oudh (Kosala) and Bihār (Videha and Magadha) a number of religious reactions against the sacerdotalism and the social exclusiveness of Brāhmanism. The two most important of these, Jainism and Buddhism, survived; and, as they extended from the region of their origin, they everywhere gave an impulse to the formation of literary languages from the Prākrits or spoken dialects. The scriptures of the Jains have been preserved in various forms of Māgadhī, the dialect of Bihār, Çaurasenī, the dialect of Muttra, and Māhārāshṭrī, the dialect of the Marāthā country. The Buddhist canon exists in two chief forms—in Pāli, the literary form of an Indo-Āryan Prākrit, in Ceylon; and in Sanskrit in Nepāl. Pāli Buddhism has spread to Burma and Siam. The Sanskrit version of the canon has, in various translations, prevailed in Tibet, China, Japan, Mongolia, Chinese Turkestān, and other countries of the Far East.

In all the large and varied literatures of the Brāhmans, Jains, and Buddhists there is not to be found a single work which can be compared to the *Histories* in which Herodotus recounts the struggle between the Greeks and Persians, or to the *Annals* in which Livy traces the growth and progress of the Roman power. But this is not because the peoples of India had no history. We know from other sources that the ages were filled with stirring events; but these events found no systematic record. Of the great foreign invasions of Darius, Alexander the Great, and Seleucus no mention is to be discovered in any Indian work. The struggles between native princes, the rise and fall of empires, have indeed not passed similarly into utter oblivion. Their memory is to some

extent preserved in epic poems, in stories of the sages and heroes of old, in genealogies and dynastic lists. Such in all countries are the beginnings of history; and in ancient India its development was not carried beyond this rudimentary stage. The explanation of this arrested progress must be sought in a state of society which, as in medieval Europe, tended to restrict intellectual activity to the religious orders. Literatures controlled by Brāhmans, or by Jain and Buddhist monks, must naturally represent systems of faith rather than nationalities. They must deal with thought rather than with action, with ideas rather than with events. And in fact, as sources for the history of religion and philosophy, and for the growth of law and social institutions, and for the development of those sciences which, like grammar, depend on the minute and careful observation of facts, they stand among the literatures of the ancient world unequalled in their fulness and their continuity. But as records of political progress they are deficient. By their aid alone it would be impossible to sketch the outline of the political history of any of the nations of India before the Muhammadan conquest. Fortunately two other sources of information—foreign accounts of India and the monuments of India (especially the inscriptions and coins)—supply to some extent this deficiency of the literatures, and furnish a chronological framework for the history of certain periods.

The foreign authorities naturally belong to those periods in which India was brought most closely into contact with the civilisations of Western Asia and China. The general fact that such intercourse by land and sea existed in very early times is undoubted, but detailed authentic records of political relations are not found before the rise of the Persian Empire in the sixth century B.C., when Greek writers and the cuneiform inscriptions of Darius enable us to trace the extension of the Persian power from Bactria, the country of the Oxus, to N.W. India. From these sources it is clear that the Persian dominions included Gandhāra (the Districts of Peshāwar and Rāwal Pindi) and the Province of 'India' (the Western Punjab together with Sind which still retains its ancient name); and it is probable that these countries remained tributary to the King of Kings until the Persian Empire gave place to the Macedonian.

Then come the Greek and Roman historians of Alexander the Great, whose detailed accounts of the Indian campaign (327–325 B.C.) throw a flood of light on the political conditions of N.W. India, and carry our geographical knowledge eastwards beyond the

Jhelum (Hydaspes), the eastern limit of Gandhāra, to the Beās (Hyphasis). This marks the extent of Alexander's conquests. Far from securing the dominant position of Northern India, the country of the upper Jumna and Ganges, these conquests failed even to reach the country of the Sarasvatī, the centre of Indo-Āryan civilisation in the age of the Rigveda. Alexander was the conqueror of 'India' only in the sense that for a very few years he was master of 'the country of the Indus.' The confusion of this geographical term with its later meaning has been the cause of endless misconception all through the Middle Ages even down to the present day.

The documents of the Persian and Macedonian Empires are succeeded by those of the later Hellenic kingdoms of Syria, Bactria, and Parthia. All these are invaluable as supplying a very remarkable deficiency in the Indian records. They deal with a region which is barely noticed, and with events which are completely ignored, in the Brāhman, Jain, and Buddhist books of the period. These two sources of history are thus independent of each other. The Greek view is mainly confined to the North-West, while the contemporary Indian literatures belong almost exclusively to the Plain of the Ganges.

After the death of Alexander other Western writers appear who regard India from the point of view of the Maurya Empire with its capital at Pāṭaliputra, the modern Patna. The generation which saw Alexander had not passed away before the kingdom of Magadha (S. Bihār) had brought all the peoples of Northern India under its sway, and established a great power which maintained relations with Alexander's successors in Western Asia, Egypt, and Europe. And now for the first time the two kinds of historical evidence, the Indian and the foreign, come into direct relations with each other. They refer to the same regions and to the same circumstances; and the light of Greek history is thrown on the obscurity of Indian literature. It was the identification of the Sandrocottus of Greek writers with the Maurya Emperor Chandragupta that established the first fixed point in the chronology of ancient India. Our object in the first two volumes of this History will be to show how far the progress of research starting from this fixed point has succeeded hitherto in recovering the forgotten history of India from the records of the past.

Unimpeded intercourse with the countries of the West was possible only so long as Northern India remained united under the Maurya dynasty, and Western Asia under the Seleucid successors

of Alexander. The process of disintegration began in Western Asia with the defection of Bactria and Parthia about the middle of the third century, and in India probably some thirty years later when the downfall of imperial rule was followed by a period of anarchy and internal strife. These conditions made possible the series of foreign invasions from c. 200 B.C. onwards, which disturbed the North-West during many centuries and severed that region from the ancient civilisation of the Plain of the Ganges. The political isolation of India was completed by the Scythian conquest of Bactria, c. 135 B.C., and by the long struggle between Rome and Parthia which began in 53 B.C. After the Maurya Empire, intercourse tended more and more to be restricted to commerce by land and sea; and for the West, India became more and more the land of mystery and fabulous wealth. Down to the last quarter of the eighteenth century nearly all that was known of its ancient history was derived from the early Greek and Latin writers.

Of all the factors which contributed to the severance of relations with the West, the extinction of Hellenic civilisation in Bactria was by far the most important. But while the fate of Bactria closed the western outlook, it prepared the way for communication with the Far East; and it is to Chinese authorities that we must turn for the most trustworthy information concerning the events which determined the history of N.W. India during the following centuries. The Scythian (Çaka) invaders of Bactria were succeeded by the Yueh-chi; and when, in the first century A.D., the predominant tribe of the Yueh-chi, the Kushāṇas, extended their dominion in Turkestān and Bactria to N.W. India, the Kushāṇa empire formed a connecting link between China and India and provided the means of an intercourse which was fruitful in results. Buddhism was introduced into China and the other countries of the Far East; and, as the explorations of recent years have shown, an Indian culture, Indian languages, and the Indian alphabets were established in Chinese Turkestān. The most illuminating accounts of India from the end of the fourth to the end of the seventh century are the records of Chinese Buddhists who made the long and toilsome pilgrimage to the scenes of their Master's life and labours.

The remaining source of historical information—the inscribed monuments and coins—is the most productive of all. The inscriptions are public or private records engraved in most cases on stone or on copper plates; and they are found in great numbers throughout the sub-continent and in Ceylon. The earliest are the edicts

of Açoka incised on rocks or pillars situated on the frontiers and at important centres of the Maurya empire when at the height of its power in the middle of the third century B.C. Others commemorate the deposit of Buddhist relics. Others celebrate the victories of princes, the extent of their conquests, the glories of the founder of the dynasty and of his successors on the throne. Others again place on record the endowments of temples or grants of land. In short, there is scarcely any conceivable topic of public or private interest which is not represented. The inscriptions supply most valuable evidence as to the political, social, and economic conditions of the period and the country to which they belong. They testify on the one hand to the restless activity of a military caste, and on the other to the stability of institutions, which were, as a rule, unaffected by military conquest. One conqueror follows another, but the administration of each individual state remains unchanged either under the same prince or under some other member of his family, and the charters of monasteries are renewed as a matter of course by each new overlord.

Coins also have preserved the names and titles of kings who have left no other record; and by their aid it is sometimes possible to reconstruct the dynastic lists and to determine the chronology and the geographical extent of ruling powers. But it is only when coin-legends appear as the result of Greek influence in the North-West that this source of history becomes available. The earlier indigenous coinage was little more than a system of weights of silver or copper stamped with the marks of the monetary authorities. The first Indian king whose name occurs on a coin is Sophytes (Saubhūti), a contemporary of Alexander the Great. The legend of his coins is in Greek. After his date no inscribed coins are found for more than a hundred years. During this interval Greek rule in N.W. India had ceased. It was resumed about the beginning of the second century by Alexander's Bactrian successors, who issued in their Indian dominions a bilingual coinage with Greek legends on the *obverse* and a translation of these in an Indian dialect and an Indian alphabet on the *reverse*.

The fashion of a bilingual coinage thus instituted was continued by the Scythian and Parthian invaders from Irān in the early part of the first century B.C.; and these bilingual coins have supplied the clue to the interpretation of the ancient alphabets, and have enabled scholars during the last three generations to bring to light the long-hidden secrets of the inscriptions and to retrace the outlines of forgotten history.

Both of the alphabets, now usually known as Brāhmī and Kharoshṭhī, are of Semitic origin; that is to say, they are derived ultimately from the same source as the European alphabets. They were introduced into India at different periods, and probably by different routes. Brāhmī is found throughout the sub-continent and in Ceylon. The home of Kharoshṭhī is in the North-West; and whenever it is found elsewhere it has been imported.

Brāhmī has been traced back to the Phoenician type of writing represented by the inscription in which Mesha, king of Moab (c. 850, B.C.), records his successful revolt against the kingdom of Israel. It was probably brought into India through Mesopotamia, as a result of the early commerce by sea between Babylon and the ports of Western India. It is the parent of all the modern Indian alphabets.

Kharoshṭhī is derived from the Aramaic script, which was introduced into India in the sixth century B.C., when the North-West was under Persian rule, and when Aramaic was used as a common means of communication for the purposes of government throughout the Persian empire. That originally the Aramaic language and alphabet pure and simple were thus imported into Gandhāra, as Bühler conjectured in 1895 (*W.Z.K.M.*, IX, p. 49), has been proved recently by Sir John Marshall's discovery of an Aramaic inscription at Taxila[1]. When the first Kharoshṭhī inscriptions appear in the third century B.C., the alphabet has been adapted to express the additional sounds required by an Indian language; but, unlike Brāhmī which has been more highly elaborated, it still bears evident traces of its Semitic origin both in its direction from right to left and in its imperfect representation of the vowels. In the third century A.D. Kharoshṭhī appears more fully developed in Chinese Turkestān where its existence must be attributed to the Kushāṇa empire. In this region, as in India, it was eventually superseded by Brāhmī.

The decipherment of the inscriptions and coins, and the determination of the eras in which many of them are dated, have introduced into the obscurity of early Indian history a degree of chronological order which could not have been conceived at the time when the study of Sanskrit began in Europe. The bare fact that India possessed ancient classical literatures like those of Greece and Rome can scarcely be said to have been known to the Western World before the last quarter of the eighteenth century. At various intervals during more than a hundred years previously a few isolated students chiefly missionaries, those pioneers of learning,

[1] A. Cowley, *J.R.A.S.*, 1915, p. 346.

had indeed published accounts of Sanskrit literature and Sanskrit grammar; but it was only when a practical need made itself felt, and the serious attention of the administrators of the East India Company's possessions was directed to the importance of studying Sanskrit, that the investigation by Europeans of the ancient languages and literatures of India began in earnest. To meet the requirements of the law-courts the Governor-General, Warren Hastings, had ordered a digest to be prepared by pandits from the authoritative Sanskrit law-books; but when the work was finished no one could be found able to translate it into English. It was therefore necessary to have it translated first into Persian, and from the Persian an English version was made and published by Halhed in 1776. The object-lesson was not lost. Sanskrit was evidently of practical utility; and the East India Company adopted, and never afterwards neglected to pursue, the enlightened policy of promoting the study of the ancient languages and literatures in which the traditions of its subjects were enshrined. It remained for Sir William Jones, Judge of the High Court at Calcutta, to place this study on a firm basis by the establishment of the Asiatic Society of Bengal in 1784.

The inauguration of the study of India's past history came at a fortunate moment; for it is precisely to the last quarter of the eighteenth century that we may trace the growth of the modern scientific spirit of investigation, which may be defined as the recognition of the fact that no object and no idea stands alone by itself as an isolated phenomenon. All objects and all ideas form links in a series; and therefore it follows that nowhere, whether in the realm of nature or in the sphere of human activity, can the present be understood without reference to the past. The first manifestation of this new spirit of enquiry, which was soon to transform all learning, was seen in the study of language. The first Western students of the ancient languages of India were statesmen and scholars who had been educated in the classical literatures of ancient Greece and Rome. They were impressed by the fact, which must indeed be apparent to everyone who opens a Sanskrit grammar, that Sanskrit, both in its vocabulary and in its inflexions, presents a striking similarity to Greek and Latin. This observation immediately raised the question: How is this similarity to be explained? The true answer was suggested by Sir William Jones, whom that sagacious observer, Dr Johnson, recognised as 'one of the most enlightened of the sons of men[1].' In 1786, Sir William Jones wrote:

[1] G. Birbeck Hill, *Johnsonian Miscellanies*, II, p. 363.

The *Sanscrit* language, whatever be its antiquity, is of a wonderful structure; more perfect than the Greek, more copious than the Latin, and more exquisitely refined than either: yet bearing to both of them a stronger affinity, both in the roots of verbs, and in the forms of grammar, than could possibly have been produced by accident; so strong indeed, that no philologer could examine them all without believing them to have sprung from *some common source*, which perhaps no longer exists. There is a similar reason, though not quite so forcible, for supposing that both the *Gothick* and the *Celtick*, though blended with a different idiom, had the same origin with the *Sanscrit*; and the old *Persian* might be added to the same family.

These observations contain the germs of the science of Comparative Philology. The conception of a family of languages, in which all the individual languages and dialects are related as descendants from a common ancestor, suggested the application to language of the historical and comparative method of investigation. The results have been as remarkable as they were unexpected. In the first place, the historical method has shown that living languages grow and change in accordance with certain definite laws, while the comparative study of the lines of development which may be traced historically in the different Indo-European languages has confirmed Sir William Jones's hypothesis that they are all derived 'from some common source,' which, though it no longer exists, may be restored hypothetically. In the second place, since words preserve the record both of material objects and of ideas, a study of vocabularies enables us to gain some knowledge of the state of civilisation, the social institutions, and the religious beliefs of the speakers of the different languages before the period of literary records. Some indication of the light which Comparative Philology thus throws on the history of the Āryan invaders of India is given in the following Chapter.

CHAPTER III

THE ĀRYANS

THROUGHOUT the greater part of Europe and of Asia as far as India there exist now, or can be shown to have existed in past time, a great number of languages, the forms and sounds of which when scientifically examined are seen to have a common origin. The languages in question are generally known to scholars under the name of the Indo-Germanic, or Indo-European languages. The name Indo-European seems to have been invented by Dr Thomas Young, the well-known physicist and Egyptologist. The first occurrence known of the word is in an article by him in *The Quarterly Review* for 1813. Examination of the article, however, shows that Dr Young meant by Indo-European something quite different from its ordinarily accepted signification. For under the term he included not only the languages now known as Indo-European, but also Basque, Finnish, and Semitic languages. The name Indo-Germanic, which was used by the German philologist Klaproth as early as 1823, but the inventor of which is unknown, is an attempt to indicate the family by the furthest east and west members of the chain extending from India to the Atlantic ocean. The main languages of the family had been indicated in a famous address to the Asiatic Society of Bengal, delivered by the President Sir William Jones in 1786[1]. He had the insight to observe that the sacred language of India (Sanskrit), the language of Persia, the languages of Greece and Rome, the languages of the Celts, Germans, and Slavs, were all closely connected. To Sir William Jones, as Chief Justice of Bengal, law was his profession and the comparison of languages only an amusement. But this epoch-making address laid the foundations of Comparative Philology on which Bopp in his *Comparative Grammar* built the first superstructure. But the study of this family of languages has from the beginning been beset with a subtle fallacy. There has been throughout an almost constant confusion between the languages and the persons who

[1] See Chapter II, p. 64.

spoke them. It is hardly necessary to point out that in many parts of the world the speaker of a particular language at a given time was not by lineal descent the representative of its speakers at an earlier period. In the island of Britain many persons of Welsh blood, many persons of Irish Celtic and Scottish Celtic origin speak English. It is many centuries since it was observed that Normans and English who had settled in Ireland had learned to speak the Irish language and had become more Irish than the Irish themselves. It is well known that by descent the Bulgarians are of Asiatic origin, and of an entirely different stock from the Slavs, a branch of whose language is now their mother tongue. It is therefore clear that it is impossible, without historical evidence to be certain that the language spoken by any particular people was the language of their ancestors at a remote period. The name Indo-Germanic therefore suffers from the ambiguity that it characterises not only languages but also peoples. As has been suggested elsewhere, it would be well to abandon both the term Indo-European and the term Indo-Germanic and adopt some entirely colourless word which would indicate only the speakers of such languages. A convenient term for the speakers of the Indo European or Indo-Germanic languages would be the *Wiros*, this being the word for 'men' in the great majority of the languages in question.

The advantage of such a term is clear, since all we know regarding the physical characteristics of the first people who spoke languages of this nature is that they were a white race. We cannot tell whether these Wiros were long-headed or short-headed, tall or of little stature, brunette or fair. It has been customary to imagine them as having something of the characteristics which Tacitus describes as belonging to the German of the end of the first century A.D. But all the evidence adduced in support of this is really imaginary. What, therefore, can we say that we know of this early people? From words preserved in their languages, particularly in languages far separated, and in circumstances where there is little likelihood of borrowing from the one language to the other, we may gather something as to the animals and the plants they knew, and perhaps a very little as to their industries. The close similarity between the various languages spoken by them would lead us to infer that they must have lived for long in a severely circumscribed area, so that their peculiarities developed for many generations in common. Since the study of prehistoric man developed, many views have been held as to the geographica

position of this early community. Such a confined area must have been separated from the outer world either by great waters or by mountains. There are however, so far as we know, no rivers in the western half of the Old World which at any period have presented an impassable barrier to man. In the evidence for the early history of the speakers of these Indo-European or Indo-Germanic languages there is nothing which would lead us to suppose that they lived upon an island. Indeed, it is very doubtful whether they possessed a word for the sea at all. For the word *mare* which in Latin means 'the sea,' has its nearest relatives in other languages amongst words which mean 'moor' or 'swamp.' That the climate in which they lived belonged to the temperate zone is shown by the nature of the trees which a comparison of their languages leads us to believe they knew. To their habitat we may assign, with considerable certainty, the oak, the beech, the willow, and some coniferous trees. The birch seems to have been known to them and possibly the lime, less certainly the elm. The fruits they knew are more uncertain than the forest trees. Many species of fruit trees familiar to us have flourished in Europe since late geological times; but at all periods men have been anxious to improve the quality of their fruit, and in all probability the commoner cultivated forms became known in northern and north-western Europe only as introduced by the Romans in the period of their conquests beginning with the first century B.C. Cherries have grown in the West from a very early period, but the name itself supports the statement that the cultivated kind was introduced by the great Lucullus in the first half of the first century B.C. from Cerasus in Asia Minor, an area to which the Western world owes much of its fruit and flowering shrubs. The ancient kings of Persia encouraged their satraps to introduce new fruit trees and better kinds into the districts which they ruled. There still exists a late copy of an early inscription in Greek in which the King of Persia gives praise to one of his governors for his beneficent action in this respect.

These Wiros were in all probability not a nomad but a settled people. The useful animals best known to them were the ox and cow, the sheep, the horse, the dog, the pig, and probably some species of deer. The ass, the camel, and the elephant were apparently unknown to them in early times; and the great variety of words for the goat would lead us to suppose that this animal also was of later introduction. The argument from language, however, is of necessity inconclusive, because all nations occasionally give animals with which they are familiar fanciful names. The Wiros seem also to

have been familiar with corn. If so, they must in all probability have lived for a considerable part of the year in one situation for the planting of corn implies care continued over many weeks or months—care which the more primitive tribes have not been able to exercise. Of birds, we may gather from the languages that they knew the goose and the duck. The most familiar bird of prey was apparently the eagle. The wolf and bear were known, but not the lion or the tiger.

From these data is it possible to locate the primitive habitat from which the speakers of these languages derived their origin. It is not likely to be India, as some of the earlier investigators assumed, for neither flora nor fauna, as determined by their language, is characteristic of this area, though some forest trees like the birch are more magnificent on Kinchinjunga than in any part of the Western world. Still less probable is the district of the Pâmirs, one of the most cheerless regions on the face of the earth. Central Asia, which has also been contended for as their home, is not probable, even if we admit that its conspicuous lack of water and consequent sterility in many areas, is of later development. If indeed these early men knew the beech, they must have lived to the west of a line drawn from Königsberg in Prussia to the Crimea and continued thence through Asia Minor. In the Northern plains of Europe there is no area which will satisfactorily fulfil the conditions. As we know it in primitive times it is a land of great forests. No country, however, which had not much variety of geographical features could have been the habitat of both the horse and the cow. The horse is a native of the open plain; the foal is able to run by its mother from the first, and accompanies her always in her wanderings. The calf, on the other hand, is at first feeble, unable to walk or see its way distinctly, and therefore is hidden by its mother in a brake while she goes further afield to find suitable pasture. Is there any part of Europe which combines pastoral and agricultural country in close connexion, which has in combination hot low-lying plains suitable for the growth of grain and rich upland pasture suitable for flocks and herds, and at the same time trees and birds of the character already described. There is apparently only one such area in Europe, the area which is bounded on its eastern side by the Carpathians, on its south by the Balkans, on its western side by the Austrian Alps and the Böhmer Wald, and on the north by the Erzgebirge and the mountains which link them up with the Carpathians. This is a fertile and well-watered land with great corn plains in the low-lying levels

of Hungary, but also possessing steppe-like areas which make it one of the best horse-breeding areas in Europe, while, in the uplands which surround it and run across it, as in the case of the Bakony Wald, south-west of Buda-Pesth, and still more markedly in Bohemia, there is high ground suitable for the pasturing of sheep. The forests of the mountains which engirdle it supply excellent mast for the maintenance of swine whether wild or tame. The beech which dies out further south is found here and all the other great forest trees which have been already mentioned. The country is large enough to maintain a very considerable population which however was likely in primitive times to migrate from it only under the stress of dire necessity, because it is so well bounded on all sides by lofty mountains with comparatively few passes, that exit from it even in more advanced ages has not been easy. If this area indeed were the original habitat—and, curiously enough, though it fulfils so many of the conditions, it seems not before to have been suggested—the spread of the Indo-Germanic languages becomes easily intelligible. No doubt the most inviting direction from which to issue from this land in search of new homes would be along the course of the Danube into Wallachia, from which it is not difficult to pass south towards the Bosporus and the Dardanelles.

A popular view locates the home of the Wiros in the southern steppes of Russia, but that area, though possessing a very fertile soil, has not on the whole the characteristics which the words common to the various Indo-Germanic languages, and at the same time unborrowed from one to another, postulate. It has also been commonly assumed that the eastern branches of the family found their way into Asia by the north of the Black Sea and either round the north of the Caspian or through the one pass which the great barrier of the Caucasus provides. Here we are met by a new difficulty. The Caspian is an inland sea which is steadily becoming more shallow and contracting in area. Even if it had been little larger than it is at present, the way into Turkestān between it and the Aral Sea leads through the gloomy desert of Ust Urt which, supposing it existed at the period when migration took place, must have been impassable to primitive men moving with their families and their flocks and herds. But there is good evidence to show that at a period not very remote the Caspian Sea extended much further to the north, and ended in an area of swamps and quicksands, while at an earlier period which, perhaps, however, does not transcend that of the migration, it spread far to the east and

included within its area the Sea of Aral and possibly much of the low-lying plains beyond. Turkestān in primitive times would therefore not have been easily accessible by this route. There is in fact no evidence that the ancestors of the Persians, Afghāns, and Hindus passed through Turkestān at all. Nor is passage through the Caucasus probable: to people wandering from Europe the Caucasus was a remote and inhospitable region, so remote and so inhospitable that Aeschylus selected it as the place of torment for Prometheus and tells us that it was a pathless wilderness. There is indeed no reason to suppose that earlier men followed any other route than that which has been taken by successive waves of migratory populations in historical times. That path leads across either the Bosporus or Dardanelles, across the plateau of Asia Minor, or along its fertile slopes on the south side of the Black Sea. A European people which would reach Persia on foot must strike the upper waters of the Euphrates and Tigris. The fertile country with an alluvial soil of tremendous depth, which lies between these two rivers, was the centre of one of the earliest and one of the most powerful civilisations of ancient times. Migrants would there find their progress to the south obstructed and baulked. But by passing south of Lake Van and through the mountains which lie between it and Lake Urmia, they would find an access to the route which travellers still follow between Tabrīz and Teherān. From there they would advance most likely along the southern end of the Caspian towards Mashhad, whence in all ages there has been a well-frequented route to Herāt. At one time these peoples certainly extended far to the east and north, to the country then known as Bactria, now Balkh, and carried their conquests into the famous region which lies between the two rivers, the Amu Daria, or Oxus, and the Syr Daria.

What evidence have we of such a migration, and, if it took place, what was its date? In all probability the migration of peoples from the primitive habitat, which we have located in the areas which we now call Hungary, Austria, and Bohemia, did not take place at a very remote period. It is indeed probable that all the facts of this migration, so far as we know them, can be explained without postulating an earlier beginning for the migrations than 2500 B.C. It must be remembered, however, that these migrations were not into unpeopled areas, that before they reached the frontiers of India, or even Mesopotamia, the Wiros must have had many hard struggles with populations already existing, who regarded their passage as they would that of some great cloud of

lestroying locusts which devoured their substance and left them o perish by starvation, or to survive in the misery of captives to ruel conquerors. We must suppose that success could have been chieved only by wave after wave following at no long intervals: or if their successors delayed too long, the migrants of the first dvancing wave were likely to be cut off or absorbed. In historical imes, we know that many tribes thus passed into Asia from Europe, mong them the Phrygians, the Mysians, and Bithynians. It has een plausibly argued that the Armenian stock was the first wave f the Phrygian advance, and evidence can be adduced which nakes it probable that still earlier waves of conquering tribes dvancing from west to east were represented by the remote ncestors of modern Persians and modern Hindus.

If, as some scholars suppose, modern Albanian is the descendant n a very corrupt condition of ancient Thracian, and not of ancient llyrian, the interrelation of the ancient branches of the Indo-Germanic family of languages can be outlined. The family is ivided by a well-marked difference in the treatment of certain , *g*, and *gh* sounds into two parts, one of which keeps the *k*, *g*, and *h* sounds, though submitting them to a variety of changes in later imes, while the other part changes *k* and *g* into some kind of ibilant sounds which are represented in the Slavonic and Irānian anguages by *s* and *z*, in Sanskrit by *ç* and *j*. The *gh* sound appears s *z* in Zend, the Irānian dialects confusing together *g* and *gh*, while in Sanskrit it appears as *h*. The languages which present hese changes are the easternmost members of the family: Āryan i.e. Indian and Irānian); Armenian; Slavonic; and Albanian. The Albanian it is suggested has been driven westward through he Pindus range into its present position within historical times, he ancient Illyrians having in this area been swept away in the evastation wrought by a sequence of Roman invasions, initiated n the second century B.C. by Aemilius Paulus. The languages nentioned would thus have started from the eastern side of the riginal habitat, while the tribes which (with an admixture of the opulation already in possession) ultimately became the Greeks, noved through Macedonia and Thessaly southwards, and the Latin tock, the Celts, and the Germans westwards and northwards. It s more than likely that the ancestors of the Slavs found their way rom the original home by the 'Moravian Gap.' The exact manner, r the exact date, at which these movements took place we cannot ell, but there is no reason to suppose that any of them antedate t earliest the third millennium B.C. Nor is it likely that they took

place all at once. The same causes, though in different degrees, were operative then which have produced movements of peoples in historical times, one of the most pressing probably being the growth of population in a limited area, which drove sections or whole tribes to seek sustenance for themselves, their families, and cattle in land beyond their original boundaries, without regard to whether these lands were already occupied by other peoples or not. The movements of the Gauls in historical times were probably not at all unlike those of their ancestors and kinsmen in prehistoric times.

If, as has been suggested above, the early speakers of the primitive Indo-Germanic language occupied a limited area well defended by mountains from attack, this would account for the general similarity of the languages in detail; if, forced by the natural increase of population, they left this habitat in great waves of migration, we can see how some languages of the family, as for example, the Celtic and the Italic, or the Irānian and the Indian, are more closely related to one another than they are to other members of the family; if, further, we assume that such a habitat for the prehistoric stock could be found in the lands which we call Hungary, Austria, and Bohemia, we can explain a very large number of facts hitherto collected for the history of their earlier movements and earlier civilisation.

Of the earliest movements of the tribes speaking Indo-Germanic languages which occupied the Irānian plateau and ultimately passed into Northern India, history has as yet nothing to say. But recent discoveries in Cappadocia seem likely to give us a clue. In the German excavations at Boghaz-köi, the ancient Pteria, have been found inscriptions, containing as it appears the names of deities which figure in the earliest Indian records, Indra, Varuṇa, and the great twin brethren the Nasatyas. The inscriptions date from about 1400 B.C., and the names appear not in the form which they take in the historical records of ancient Persia, but are, so far as writing in a syllabary will admit, identical with the forms, admittedly more original, which they show in the hymns of the Rigveda. It is still too early to dogmatise over the results of these discoveries, which it may be hoped are only the firstfruits of a rich harvest; but the most feasible explanation of them seems to be that here, far to the west, we have stumbled upon the Āryans on the move towards the east. This is not to say that earlier waves may not long before 1400 B.C. have penetrated much further to the east, or even to India itself. All that can be gathered from these

discoveries is that at this period the Mitāni, who were apparently not of this stock themselves, had adopted the worship of certain deities of this stock—deities who at the time of the composition of the Vedic Hymns were still the most important, though to them had been added Agni, 'Fire,' specially an object of priestly worship in the Vedic hierarchy. We have here, however, names practically in the form in which they survive in Sanskrit, and without the changes which characterise the records of the tribes of this stock, who remained in Persia. To this as yet unbroken unity the name of Āryan is given. It is borrowed from a word which appears as *Ārya*, or *Arya* in Sanskrit, *Airya* in Zend, and which means 'of good family, noble.' It is the epithet applied by the composers of the Vedic hymns to distinguish their own stock from that of their enemies the earlier inhabitants of India, whom they call Dāsas or Dasyus. The term, by reason of its shortness, has often been applied to all the languages of this family, in preference to 'Indo-European' or 'Indo-Germanic,' but is properly reserved for the south-eastern group which, when the phonetic changes characterising the language of the Avesta and of the old Persian inscriptions of the Achaemenid dynasty (520 B.C.–330 B.C.) have taken place, falls into the two branches of Irānian and Indo-Āryan. The latter term well characterises the Āryans settled in India, while Āryo-Indian conveniently designates these Āryans as distinct from the unrelated stocks—Dravidian and other—also inhabiting the Indian peninsula.

As these inscriptions of Boghaz-köi show the language still one and undivided, we obtain a limit after which the differentiation of Irānian and Indo-Āryan must have begun. These Āryan languages have some characteristics in common which distinguish them from all others : in particular they agree in confusing together the three original vowels *a*, *e*, and *o*, whether long or short, into one sound which is written with the symbols for *a* and *ā*. In modern India at least the short sound is pronounced with the obscure vowel found in the English 'but,' a fact which produced the English spelling of the Hindu words 'pundit' (*paṇḍita*) and 'suttee' (*satī*), and disguised the liquor compounded of five (*pañcha*) ingredients under the apparently English form of 'punch.' They agree also on the whole in the case system of the noun, a system to which the Slav and Armenian languages offer the closest approximation, and in the elaborate mood and voice system of the verb, to which the only parallel is to be found in the similar, though not in all respects identical, paradigms of Greek. Here the other languages, except

the Slavonic, fall far short of the elaborate and intricate Āryan verb system, whether it be, as is most likely, that the other tribes have lost a large part of their share of the common inheritance, or whether some of the languages drifted apart, before the complete system, seen in the Āryan and Greek verbs, had developed. Other changes may with probability be attributed to the influence of the peoples whom they conquered and enslaved. A characteristic, which distinguishes the languages of this stock in both Persia and India is the tendency to confuse *r* and *l*, a tendency which is characteristic of practically all the languages of the far east. In India *r* is often found in words where the languages of the same stock in Europe show *l*; *l* is also, though not so frequently, found for *r*; in the Old Persian of the Achaemenid inscriptions *l* is found only in two foreign words, and has otherwise been entirely replaced by *r*.

The dialects of Irān, the language of the earliest Gāthās (Songs) which are attributed to Zoroaster himself, the later dialect of the other surviving parts of the sacred literature of the ancient Persians —the Avesta—and the inscriptions beginning with Darius I about 520 B.C. and best represented in his time but continuing to the last Darius in 338 B.C., are all closely related to the oldest dialect discovered in India, which appears in the hymns of the Rigveda. Not only single words and phrases, but even whole stanzas may be transliterated from the dialect of India into the dialects of Irān without change of vocabulary or construction, though the appearance of the words is altered by the changes which time and isolation have brought about between the dialects east and west of Afghānistān. It is curious to note that the changes are much greater in the dialects that remain in Irān than in this oldest recorded dialect of the migrants into India. The Irānians have disguised their words by changing (as Greek has also done) *s* followed by a vowel at the beginning of words, or between vowels in the middle of words, into *h*: thus the word for 7, the equivalent of the Latin *septem*, the Greek ἑπτά, is in Sanskrit *saptá*, but in Irānian *hapta*. There are many other changes both in vowels and in consonants. In particular it may be noted that one kind of original *g* which appears in Sanskrit as *j* has become in the Irānian dialect *z* or *s* (Greek ἁγνός 'holy,' Sanskrit *yajñá-* 'sacrifice,' Avesta *yasna*), and a corresponding aspirated sound *gh* which is in Sanskrit *h* has become identified with *g* in Irānian as *z* (Latin *hiems*, Greek χίων, χεῖμα, (δύσ)χιμος, Sanskrit *hima-* in 'Himālaya,' Avesta *zyam-*). This loss of aspiration has affected also the other aspirates *bh*, *dh*, which

survive in Sanskrit, while Irānian tends in certain combinations to change original consonant-stops into spirants, making the old name of the deity Mitra into Mithra, and from compounds with a second element *-parna* the numerous proper names which we know in Greek transliterations as Artaphernes, Tissaphernes, and the like.

It has sometimes been made an argument for deriving the origin of these tribes from India rather than the West, that the sounds and especially the consonants of the language spoken have survived in greater purity in India than in Irān or elsewhere. The argument however is not sound. Invasions of a similar sort, though at a much greater distance from their base, were made by the Spaniards in America in the sixteenth century. The civilisation of the Spaniards was no doubt higher than that of the early Indo-Germanic-speaking peoples who invaded India; but in both Mexico and Peru, if not elsewhere, they met a native population also much more advanced in the arts than the earlier inhabitants of North-Western India could have been. In all parts of America, except Chile, the Spaniards were in so small a minority compared to the natives that they had to be careful to preserve themselves in isolation, with the result that to-day, except in Chile, where greater familiarity with the natives has produced a dialect of Spanish words and native sounds, the local dialects are much more archaic and much more like the Spanish of the sixteenth century than is the language spoken now in Spain. If the isolation of the English Colonies in North America had remained as great as it was in the seventeenth century, no doubt a much greater distinction would now exist between the English dialects of North America and the English of the Mother country. Yet in many parts of the eastern seaboard of the United States many words survive locally which have long been extinct except in local dialects in England, and many forms of expression survive which the modern Englishman now regards as mainly biblical. That an isolation resembling that of the Spanish colonies prevailed also in early India is shown by the most characteristic feature of Indian civilisation—caste. The native word for caste, *varṇa*, means colour, and the first beginnings of the caste system were laid when the fairer people who migrated into India felt the importance of preserving their own racial characteristics by standing aloof from the dark skinned *dāsas*, or *dasyus*, whom they found already established in the peninsula.

That the sound changes which have been enumerated are not so very old has been shown by the names found at Boghaz-köi. And

this is not the only evidence. To the same period as the Boghaz-köi inscriptions belong the famous letters from Tel-el-Amarna. In these occur references to the people of Mitāni in north-west Mesopotamia, whose princes bear names like Artatama, Tusratta, and Suttarna, which seem unmistakably Āryan in form. For five hundred years (c. 1746–1180 B.C.) a mountain tribe—the Kassites—from the neighbourhood of Media held rule over the whole of Babylonia, and amongst these also the names of the princes and deities seem Āryan, though the people themselves, like those of Mitāni were of another stock. Names like *Shurias* 'Sun' and *Marytas* seem identical with the Sanskrit *Sūrya* and *Marutas* (the wind-gods), while Šimalia 'queen of the snow mountains' can hardly be separated from the name of the great mountain range Himālaya and the Irānian word for snow, *zima*. To a much later period belongs the list of deities worshipped in different temples of Assyria, which was found in the library of Assurbanipal (about 700 B.C.), in which occurs the name Assara-Mazaš, immediately preceding the seven good angels and the seven bad spirits. The combination hardly leaves it doubtful that we have here the chief deity of Zoroastrianism (Ahura Mazda) with the seven Amesha-spentas and the seven bad *daivas* of that religion. Into the many other problems that arise in this connexion it is not necessary here to enter; but it is important to observe that even so late as this the first part of the god's name remains more like the Sanskrit *Asura* than the Avestan *Ahura*. While modern Hinduism is the lineal descendant, however much modified in the course of ages, of the ancient Āryan worship which we know first in the Rigveda, the religion of the Avesta is a reform which, like other religious reforms, has been able to get rid of the old gods only by converting them into devils, the worship of which was probably none the less diligent for their change of title.

There seems, in any case, to be specific evidence for the supposition that by the fifteenth century B.C. tribes of Āryan stock held, or exercised influence over, a wide area extending from northern Asia Minor over north-west Babylonia to Media; and there seems to be nothing to prevent us assuming that even then, or soon after, the Āryans pushed their way still eastwards and northwards, mainly confining themselves to the territories south of the Oxus, but occasionally occupying lands between that river and the Jaxartes.

CHAPTER IV

THE AGE OF THE RIGVEDA

THE earliest documents which throw light upon the history of India are the hymns of the Rigveda. In the text which has come down to us this *saṃhitā* or 'collection' consists of 1017 hymns divided into ten books of unequal size. The motive of those to whom the collection is due must apparently have been the desire to preserve the body of religious tradition current among the priests; and, early as was the redaction, there are clear signs that already part of the material had ceased to be fully understood by those who made use of it in their worship. The artificial character of the arrangement is clearly indicated by the fact that the first and tenth books have precisely the same number of hymns, 191 each. The collection seems however to have been some time in the making. The nucleus is formed by books II–VII, each of which is attributed to a different priestly family. To this were prefixed the groups of hymns by other families which form the second part (51–191) of book I; and still later were added the first part of book I and book VIII attributed to the family of Kaṇva. Book IX was then formed by taking out from the collections of hymns which made up the first eight books the hymns addressed to Soma Pavamāna, 'the clearly flowing Soma'; and to these nine books was added a tenth, containing, besides hymns of the same hieratic stamp as those of the older books, a certain number of a different type, cosmogonic and philosophical poems, spells and incantations, verses intended for the rites of wedding and burial and other miscellaneous matters. The tenth book also displays, both in metrical form and linguistic details, signs of more recent origin than the bulk of the collection; and the author of one set of hymns (X, 20–26) has emphasised his dependence on earlier tradition by prefixing to his own group the opening words of the first hymn of the first book.

There is abundant proof that, before the collections were finally united into the form in which the Rigveda has come down to us, minor additions were made; and, as it is perfectly possible that in book x old material was incorporated as well as newer work, efforts have been made to penetrate beyond the comparatively rough distinction between the first nine and the tenth books, and to assign the hymns to five different periods, representing stages in the history of Vedic India, and marked by variations in religious belief and social custom[1]. But so far these efforts can scarcely be regarded as successful. The certain criteria of age supplied by the language, the metres, or the subject-matter of the Rigveda are not sufficient to justify so elaborate a chronological arrangement of its hymns. The results produced by the most elaborate and systematic attempts to apply the methods of the higher criticism to the Rigveda have hitherto failed to meet with general acceptance.

The mass of the collection is very considerable, approximating to the same amount of material as that contained in the Iliad and Odyssey, but the light thrown by the hymns on social and political conditions in India is disappointingly meagre. By far the greater part of the Rigveda consists of invocations of the many gods of the Vedic pantheon, and scarcely more than forty hymns are found which are not directly addressed to these deities or some object to which divine character is, for the time at least, attributed. These hymns contain much miscellaneous information regarding Vedic life and thought; and other notices may be derived from the main body of the collection, though deductions from allusions are always difficult and open to suspicion. Some names of tribes, places, and princes, as well as of singers, are known to us through their mention in the *dānastutis* or 'praises of liberality' which are appended to hymns, mainly in the first and tenth books, and in which the poet praises his patron for his generosity towards him. But the *dānastutis* are unquestionably late, and it is significant that some of the most striking occur in a small collection of eleven hymns, called the Vālakhilyas, which are included in the Saṃhitā of the Rigveda, but which tradition recognises as forming no true part of that collection.

From these materials conclusions can be drawn only with much caution. It is easy to frame and support by plausible evidence various hypotheses, to which the only effective objection is that other hypotheses are equally legitimate, and that the facts are too

[1] Especially by Arnold whose results are summed up in his *Vedic Metre* (Cambridge, 1905). For criticism, see *J.R.A.S.*, 1906, pp. 484–90, 716–22; 1912, pp. 726–9.

imperfect to allow of conclusions being drawn. It is, however, certain that the Rigveda offers no assistance in determining the mode in which the Vedic Indians entered India. The geographical area recognised in the Saṃhitā is large, but it is, so far as we learn, occupied by tribes which collectively are called Āryan, and which wage war with dark-skinned enemies known as Dāsas. If, as may be the case, the Aryan invaders of India entered by the western passes of the Hindu Kush and proceeded thence through the Punjab to the east, still that advance is not reflected in the Rigveda, the bulk at least of which seems to have been composed rather in the country round the Sarasvatī river, south of the modern Ambāla[1]. Only thus, it seems, can we explain the fact of the prominence in the hymns of the strife of the elements, the stress laid on the phenomena of thunder and lightning and the bursting forth of the rain from the clouds: the Punjab proper has now, and probably had also in antiquity, but little share in these things; for there in the rainy season gentle showers alone fall. Nor in its vast plain do we find the mountains which form so large a part of the poetic imagining of the Vedic Indian. On the other hand, it is perhaps to the Punjab with its glorious phenomena of dawn, that we must look for the origin of the hymns to Ushas, the goddess Dawn, while the concept of the laws of Varuṇa, the highest moral and cosmic ideal attained by the poets, may more easily have been achieved amid the regularity of the seasonal phenomena of the country of the five rivers.

Of the names in the Rigveda those of the rivers alone permit of easy and certain identification. The Āryan occupation of Afghānistān is proved by the mention of the Kubhā (Kābul), the Suvāstu (Swāt) with its 'fair dwellings,' the Krumu (Kurram) and Gomatī (Gumal). But far more important were the settlements on the Sindhu (Indus), the river *par excellence* from which India has derived its name. The Indus was the natural outlet to the sea for the Āryan tribes, but in the period of the Rigveda there is no clear sign that they had yet reached the ocean. No passage even renders it probable that sea navigation was known. Fishing is all but ignored, a fact natural enough to people used to the rivers of the Punjab and East Kābulistān, which are poor in fish. The word *samudra*, which in later times undoubtedly means 'ocean,' occurs

[1] See Hopkins, *J.A.O.S.*, vol. XIX, pp. 19-28; Pischel and Geldner, *Vedische Studien*, vol. II, p. 218; vol. III, p. 152; *Vedic Index*, vol. I, p. 468. The older view, that the hymns were composed in the Punjab itself, was adopted by Max Müller, Weber, and Muir among others.

not rarely; but where the application is terrestrial, there seems no strong reason to believe that it means more than the stream of the Indus in its lower course, after it has received the waters of the Punjab and has become so broad that a boat in the middle cannot be discerned from the bank. Even nowadays the natives call the river the sea of Sind.

The five streams which give the Punjab its name and which after uniting flow into the Indus are all mentioned in the Rigveda: the Vitastā is the modern Jhelum, the Asiknī the Chenāb, the Parushṇī, later called Irāvatī, 'the refreshing,' the modern Rāvi, the Vipāç the Beās, and the Çutudrī the Sutlej. But of these only the Parushṇī plays a considerable part in the history of the time, for it was on this river that the famous battle of the ten kings, the most important contest of Vedic times, was fought. Far more important was the Sarasvatī, which we can with little hesitation identify with the modern Sarsūti or Saraswatī, a river midway between the Sutlej and the Jumna[1]. It is possible that in the period of the Rigveda that river was of greater importance than it was in the following period when it was known to bury itself in the sands, and that its waters may have flowed to the Indus; but, however that may be, it is mentioned in one passage together with the Dṛishadvatī, probably the Chautang, which with it in later times formed the boundaries of the sacred land known as Brahmāvarta. With these two streams is mentioned the Āpayā, probably a river near Thānesar[2]. In this region too may be placed the lake Çaryaṇāvant[3], and the place Pastyāvant, near the modern Patiāla.

Further east the Āryans had reached the Jumna, which is thrice named, and the Ganges, which is once directly mentioned, once alluded to in the territorial title of a prince.

To the north we find that the Himavant or Himālaya mountains were well known to the Rigveda, and one peak, that of Mūjavant, is referred to as the source of the Soma, the intoxicating drink which formed the most important offering in the religious practice

[1] Roth, *St Petersburg Dictionary*, s.v., and Zimmer, *Altindisches Leben*, pp. 5–10, identify the Sarasvatī in many passages with the Indus; Hillebrandt, *Vedische Mythologie*, vol. I, pp. 99 sq.; vol. III, pp. 372–8, thinks it is in a few places the Arghandāb.

[2] The identification of the ancient rivers of Brahmāvarta must always remain somewhat uncertain. At the present day it is difficult to trace their courses, partly because the streams are apt to disappear in the sand, and partly because they have to a great extent been absorbed in the canal-systems constructed during the periods of Muhammadan and British rule.

[3] Identified however with the Wular Sea in Kashmir by Hillebrandt, *Vedische Mythologie*, vol. I, pp. 126 sq.

of the time. The name is lost in modern times, but probably the peak was one of those on the south-west of the valley of Kashmīr. On the south, on the other hand, the Vindhya hills are unknown, and no mention is made of the Narbadā river, so that it may fairly be inferred that the Āryan tribes had not yet begun their advance towards the south.

With the conclusions as to the home of the Āryan tribes extracted from geographical names the other available evidence well accords. The tiger, a native of the swampy jungles of Bengal, is not mentioned in the Rigveda, which gives the place of honour among wild beasts to the lion, then doubtless common in the vast deserts to the east of the lower Sutlej and the Indus and even now to be found in the wooded country to the south of Gujarāt. Rice, whose natural habitat is the south-east in the regular monsoon area and which is well known in the latter Saṃhitās, is never mentioned in the Rigveda. The elephant, whose home is now in the lowland jungle at the foot of the Himālaya from the longitude of Cawnpore eastwards, appears in the Rigveda as the wild beast (*mṛiga*) with a hand (*hastin*), while in the later texts it is commonly known as *hastin* only, a sign that the novelty of the animal had worn away. The mountains from which the Soma was brought appear, too, to have been nearer in this period than at a later date when the real plant seems to have been more and more difficult to obtain, and when substitutes of various kinds were permitted.

When we pass to the notices of tribes in the Rigveda, we leave comparative certainty for confusion and hypothesis. The one great historical event which reveals itself in the fragmentary allusions of the Saṃhitā is the contest known as the battle of the ten kings. The most probable version of that conflict is that it was a contest between the Bharatas, settled in the country later known as Brahmāvarta, and the tribes of the north-west. The Bharata king was Sudās, of the Tṛitsu family, and his domestic priest who celebrates, according to the tradition, the victory in three hymns (VII, 18; 33; 83) was Vasishṭha[1]. This sage had superseded in that high office his predecessor Viçvāmitra, under whose guidance the Bharatas appear to have fought successfully against enemies on the Vipāç and Çutudrī; and in revenge, as it seems,

[1] This is the view of Hopkins, *J.A.O.S.*, vol. XV, pp. 259 sq. According to the older view the Bharatas were foes of the Tṛitsus; see Muir, *Original Sanskrit Texts*, vol. I², p. 354; Zimmer, *Altindisches Leben*, p. 127; Bloomfield, *J.A.O.S.*, vol. XVI, pp. 41, 42. Ludwig, *Rigveda*, vol. III, p. 172, identified the Bharatas and the Tṛitsus; Oldenberg, *Z.D.M.G.*, vol. XLII, p. 207, holds that the Tṛitsus are the Vasishṭhas, the priests of the Bharatas. But see Geldner, *Vedische Studien*, vol. II, pp. 136 sq.

Viçvāmitra had led against the Bharatas ten allied tribes, only to meet with destruction in the waters of the Parushṇī. Of the ten tribes five are of little note, the Alinas, perhaps from the north-east of Kāfiristān, the Pakthas, whose name recalls the Afghān Pakhthūn, the Bhalanases, possibly connected with the Bolān Pass, the Çivas from near the Indus, and the Vishāṇins. Better known in the Rigveda are the other five, the Anus who dwelt on Parushṇī and whose priests were perhaps the famous family of the Bhṛigus, the Druhyus who were closely associated with them, the Turvaças and Yadus, two allied tribes, and the Pūrus, dwellers on either side of the Sarasvatī, and therefore probably close neighbours of the Bharatas. These tribes are probably the five tribes which are referred to on several occasions in the Rigveda and which seem to have formed a loose alliance. Sudās's victory at the Parushṇī, in which the Anu and Druhyu kings fell, does not appear to have resulted in any attempt at conquest of the territory of the allied tribes. He seems at once to have been compelled to return to the east of his kingdom to meet the attacks of a king Bheda, under whom three tribes, the Ajas, Çigrus, and Yakshus, were united, and to have defeated his new assailants with great slaughter on the Jumna. It is probable enough that the attack on the eastern boundaries of the territory of the Bharatas was not unconnected with the onslaught of the five tribes and their still more northern and western allies; but the curious names of the Ajas, 'goats,' and the Çigrus, 'horse-radishes,' may be a sign that the tribes which bore them were totemistic non-Āryans.

Not less famous was the father or grandfather of Sudās, Divodāsa, 'the servant of heaven,' Atithigva, 'the slayer of kine for guests[1].' There are records of his conflicts with the Turvaça, Yadu, and Pūru tribes; but his greatest foe was the Dāsa, Çambara, with whom he waged constant war. He had to contend also with the Paṇis, the Pārāvatas, and Bṛisaya. He seems to have been the patron of the priestly family of the Bhāradvājas, the authors of the sixth book of the Rigveda; and there is little doubt that his kingdom covered much the same area as that of Sudās, since he warred, on the one hand, against the tribes of the Punjab, and, on the other, against the Pārāvatas who are located in the period of the Brāhmaṇas on the Jumna. The Dāsas and the Paṇis were probably aboriginal foes, whom, like every Āryan prince, he had to fight.

Though defeated in the battle with Sudās, the Pūrus were

[1] *V. inf.*, pp. 101–2, and Chapter x, pp. 282–3.

clearly a great and powerful people. Their home was round the Sarasvatī, and there is no need to interpret that name as referring to the Indus rather than to the eastern Sarasvatī. On the Indus they would have been removed somewhat widely from the Bharatas, their chief rivals, two of whose princes, Devaçravas and Devavāta, are expressly recorded in one hymn to have dwelt on the Sarasvatī, Āpayā, and Dṛishadvatī. The importance of the tribe is reflected in the fact that we possess an unusually large number of the names of its members. The earliest prince recorded seems to have been Durgaha, who was succeeded by Girikshit, neither of these being more than names. The son of Girikshit, Purukutsa, was the contemporary of Sudās, and one hymn tells in obscure phrases of the distress to which his wife was reduced by some misfortune, from which she was relieved by the birth of a son, Trasadasyu. It is not unlikely that the misfortune was the death of Purukutsa in the battle of the ten kings. The new ruler, as his name indicates, was a terror to the Dasyus or aborigines, and seems not to have distinguished himself in war with Āryan enemies. We hear of a descendant Tṛikshi, and, apparently still later in the line, of another descendant Kuruçravaṇa, son of Mitrātithi and father of Upamaçravas, whose death is deplored in a hymn of the tenth book. The name is of importance and significance, for it suggests that already in the later Rigvedic period the Pūrus had become closely united with their former rivals, the Bharatas, both tribes being merged in the Kurus, whose name, famous in the later Saṃhitās and the Brāhmaṇas as the chief bearers of the culture of the Vedic period, is not directly mentioned in the Rigveda, though it was clearly not unknown. Other princes of the Pūru line were Tryaruṇa, and Trivṛishan or Tridhātu; and later evidence enables us with fair certainty to connect with the Pūrus the princely name Ikshvāku, which occurs but once in a doubtful context in the Rigveda.

Connected with the Kurus were the Krivis, whose name seems to be but a variant from the same root, and who appear to have been settled near the Indus and the Chenāb. Possibly we may see the allied tribes of Kurus and Krivis in the two Vaikarṇa tribes, twenty-one of whose clans shared the defeat of the five tribes by Sudās. If so, like the Pūrus the Bharatas must have in course of time become mingled with the Kurus and have merged their identity with them.

Allied or closely connected with the Bharatas was the tribe of the Sṛiñjayas, whom we must probably locate in the neighbourhood

of the Bharatas. One of their princes, Daivavāta, won a great victory over the Turvaças with their allies, the Vṛichīvants, of whom we know nothing more. Other princes of the line were Sahadeva, his son Somaka, and Prastoka, and Vītahavya. They were, like the Bharatas under Divodāsa, closely connected with the Bhāradvāja family of priests.

No other Āryan tribe plays a great figure in the Rigveda. The Chedis, who in later times dwelt in Bundelkhand to the north of the Vindhya, and their king Kaçu are mentioned but once in a late *dānastuti*: the queen of the Uçīnaras, later a petty tribe to the north of the Kuru country, is also once alluded to. The generosity of Ṛinaṃchaya, king of the Ruçamas, an unknown people, has preserved his name from extinction. One interpretation adds to the enemies of Sudās the tribe of the Matsyas ('fishes'), who in later times occupied the lands now known as Alwar, Jaipur, and Bharatpur. A raid of the Turvaças and Yadus and a conflict on the Sarayu[1] with Arṇa and Chitraratha testify to the activity of these clans, which otherwise are best known through their opposition to Divodāsa and Sudās, and which must probably have been settled in the south of the Punjab. The family of the Kaṇvas seems to have been connected as priests with the Yadus. Connected with the Turvaças was the Vṛichīvant Varaçikha, who was defeated by Abhyāvartin Chāyamāna, who himself was perhaps a Sṛiñjaya prince. More shadowy still are Nahus, Tugrya, and Vetasu in whom some have seen tribes: Nahus is probably rather a general term for neighbour, and the Tugryas and the Vetasus are families rather than tribes.

More important by far, it may be believed, than the intertribal warfare of the peoples who called themselves Āryan were their contests with the aborigines, the Dāsas or Dasyus as they are repeatedly called. The same terms are applied indifferently to the human enemies of the Āryans and to the fiends, and no criterion exists by which references to real foes can be distinguished in every case from allusions to demoniacal powers. The root meaning of both words is most probably merely 'foe'; but in the Rigveda it has been specialised to refer, at least as a rule, to such human foes as were of the aboriginal race. Individual Dāsas were Ilībiça, Dhuni and Chumuri, Pipru, Varchin, and Çambara, though the last at least has been transformed by the imagination of the singers into demoniac proportions. The only peoples named

[1] The identification of this river is uncertain; see *Vedic Index*, vol. II, p. 434.

which can plausibly be deemed to have been Dāsas are the Çimyus who are mentioned among the foes of Sudās in the battle of the ten kings, and who are elsewhere classed with Dasyus, the Kīkaṭas with their leader Pramaganda, and perhaps the Ajas, Yakshus, and Çigrus. The main distinction between the Āryan and the Dāsa was clearly that of colour, and the distinction between the Āryan *varṇa*, 'colour,' and the black colour is unquestionably one of the main sources of the Indian caste system. The overthrow of the black skin is one of the most important exploits of the Vedic Indian. Second only to the colour distinction was the hatred of men who did not recognise the Āryan gods: the Dāsas are constantly reproached for their disbelief, their failure to sacrifice, and their impiety. Nor is there much doubt that they are the phallus worshippers who twice are referred to with disapproval in the Rigveda, for phallus worship was probably of prehistoric age in India and by the time of the Mahābhārata it had won its way into the orthodox Hindu cult. We learn, disappointingly enough, little of the characteristics of the Dāsas, but two epithets applied in one passage to the Dasyus are of importance. The first is *mṛidhravāchaḥ* which has been interpreted to refer to the nature of the aborigines' speech; but which, as it elsewhere is applied to Āryan foes like the Pūrus, probably means no more than 'of hostile speech.' The other epithet, *anāsaḥ*, is more important: it doubtless means 'noseless,' and is a clear indication that the aborigines to which it is applied were of the Dravidian type as we know it at the present day. With this accords the fact that the Brāhūī speech still remains as an isolated remnant in Baluchistān of the Dravidian family of tongues[1]. But though the main notices of the Rigveda are those of conflict against the Dāsas and the crossing of rivers to win new lands from them, it is clear that the Āryans made no attempt at wholesale extermination of the people. Many of the aborigines doubtless took refuge before the Āryan attacks in the mountains to the north or to the south of the lands occupied by the invaders, while others were enslaved. This was so normal in the case of women that, in the literature of the next period, the term Dāsī regularly denotes a female slave; but male slaves are often alluded to in the Rigveda, sometimes in large numbers, and wealth was already in part made up of ownership of slaves. The meta-

[1] In the *Imp. Gaz.*, vol. I, p. 382, it is suggested that the Brāhūis who are there ethnographically classed as Turko-Irānian show the original type of Dravidian, and that the modern Dravidian type is physically due to influence by the Muṇḍā speaking peoples. The Rigvedic evidence does not favour this view. See Chapter II, pp. 42–8.

phorical use is seen in the name of one of the greatest of Vedic kings, Divodāsa, 'the servant of heaven.' In the *Purushasūkta*, or 'Hymn of Purusha,' which belongs to the latest stratum of the Rigveda, and which in mystic terms describes the creation of the four castes from a primeval giant, occurs for the first time the term Çūdra, which includes the slaves as a fourth class in the Āryan state. Probably enough this word, which has no obvious explanation, was originally the name of some prominent Dāsa tribe conquered by the Āryans.

Of the stage of civilisation attained by the aborigines we learn little or nothing. They had, it is certain, large herds of cattle, and they could when attacked take refuge in fortifications called in the Rigveda by the name *pur*, which later denotes 'town,' but which may well have then meant no more than an earthwork strengthened by a pallisade or possibly occasionally by stone. Stockades of this kind are often made by primitive peoples, and are so easily constructed that we can understand the repeated references in the Rigveda to the large numbers of such fortifications which were captured and destroyed by the Āryan hosts. Some Dāsas, it seems, were able to establish friendly relations with the Āryans, for a singer celebrates the generosity of Balbūtha, apparently a Dāsa; nor is it impossible, as we have seen, that the five tribes of the Punjab were not above accepting the cooperation of aboriginal tribes in their great attack on Sudās. We must therefore recognise that in the age of the Rigveda there was going on a steady process of amalgamation of the invaders and the aborigines, whether through the influence of intermarriage with slaves or through friendly and peaceful relations with powerful Dāsa tribes.

Like the Dāsas and Dasyus in their appearance both as terrestrial and as celestial foes are the Paṇis. The word seems beyond doubt to be connected with the root seen in the Greek *pernēmi*, and the sense in which it was used by the poets must have been something like 'niggard.' The demons are niggards because they withhold from the Āryan the water of the clouds: the aborigines are niggards because they refuse the gods their due, perhaps also because they do not surrender their wealth to the Āryan without a struggle. The term may also be applied to any foe as an opprobrious epithet, and there is no passage in the Saṃhitā which will not yield an adequate meaning with one or other of these uses. But it has been deemed by one high authority[1] to reveal to

[1] Hillebrandt, *Vedische Mythologie*, vol. i, pp. 94 sq.

us a closer connexion of India and Irān than has yet suggested itself: in the Dāsas Hillebrandt sees the Dahae, in the Paṇis the Parnians, and he locates the struggles of Divodāsa against them in Arachosia. Support for this view he finds in the record of Divodāsa's conflicts with Bṛisaya and the Pārāvatas, with whose names he compares that of the Satrap Barsentes and the people Paruetae of Gedrosia or Aria. Similarly he suggests that the Sṛiñjaya people, who were connected like Divodāsa with the Bhāradāja family, should be located in Irān, and he finds in the Sarasvatī, which formed the scene of Divodāsa's exploits, not the Indian stream but the Irānian Harahvaitī. Thus the sixth book of the Rigveda would carry us far west from the scenes of the third and seventh which must definitely be located in India. But the hypothesis rests on too weak a foundation to be accepted as even plausible.

Other references to connexions with Irān have been seen in two names found in the Rigveda. Abhyāvartin Chāyamāna, whose victory over Varaçikha has already been recorded, bears the epithet Pārthava, and the temptation to see in him a Parthian is naturally strong. But the Rigveda knows a Pṛithī and later texts a Pṛithu, an ancient and probably mythical king, and thus we have in the Vedic speech itself an explanation of Pārthava which does not carry us to Irān. Still less convincing is the attempt to find in the word Parçu in three passages of the Rigveda a reference to Persians: Parçu occurs indeed with Tirindira as a man's name, but the two are princes of the Yadus, and not a single personality, 'Tiridates the Persian[1].' Whatever the causes which severed Irān and India, in the earliest period, at least as recorded in the Rigveda, the relations of the two peoples seem not to have been those of direct contact.

As little do the Rigvedic Indians appear to have been in contact with the Semitic peoples of Babylon. The term Bekanāṭa which occurs along with Paṇi in one passage has been thought to be a reference to some Babylonian word: though the Indian Bīkaner is much more plausible as its origin. Bṛibu, mentioned once as a most generous giver and apparently also as a Paṇi, has been connected by Weber[2] with Babylon, but without ground: more specious is the attempt to see a Babylonian origin for the word *manā* found in one passage only of the Rigveda where it is

[1] Irānian relations are accepted by Ludwig, *Rigveda*, vol. III, pp. 196 sq.; Weber, *Episches im vedischen Ritual*, pp. 36 sq. See also Chapter XIV, pp. 321 sq.

[2] *Op. cit.* pp. 28 sq.; *Indische Studien*, vol. XVII, p. 198.

accompanied by the epithet 'golden.' The Greek *mina*, presumably borrowed from the Phoenicians, is a plausible parallel; but the passage can be explained without recourse to this theory[1]. A Semitic origin has been claimed for the word *paraçu*, 'axe,' but this too is far from certain. There is nothing in the Rigvedic mythology or religion which demands derivation from a non-Āryan source, though it has been urged that the small group of the Ādityas, whose physical characteristics are very faint and whose abstract nature is marked, is derived from a Semitic civilisation[2]. In the succeeding period the Nakshatras or lunar mansions may more probably be ascribed to a Semitic source; but in the Rigveda the Nakshatras are practically unknown, appearing as such only in the latest portions. It is therefore impossible to assume that the great Semitic civilisations had any real contact with India in the Rigvedic age.

Scanty as is our information regarding the Vedic tribes, yet we can see clearly that the social and political organisation rested upon the patriarchal family, if we may use that term to denote that relationship was counted through the father. The Āryan marriage of this period was usually monogamic, though polygamy was not unknown probably mainly among the princely class; and in the household the husband was master, the wife mistress but dependent on and obedient to the master. The standard of female morality appears to have been fairly high, that of men as usual was less exigent. Polyandry is not shown by a single passage to have existed, and is not to be expected in a society so strongly dominated by the male as was the Vedic. Of limitations on marriage we learn practically nothing from the Rigveda, except that the wedlock of brother and sister and of father and daughter was not permitted. Child marriage, so usual in later times, was evidently unknown; and much freedom of choice seems to have existed. Women lived under the protection of their fathers during the life of the latter, and then they fell if still unmarried under the care of their brothers. Both dowries and bride-prices are recorded: the ill-favoured son-in-law might have to purchase his bride by large gifts, while other maidens could obtain husbands only through the generosity of their brothers in dowering them. A girl without a protector ran grave risk of being reduced to

[1] For the borrowing see Zimmer, *Altindisches Leben*, pp. 50, 51; Weber, *Indische Studien*, vol. XVII, p. 202. Böhtlingk, *Dictionary*, *s.v.*, recognises only 'desire' or 'wish' as the sense.

[2] So Oldenberg, *Religion des Veda*, p. 193; *Z.D.M.G.*, vol. L, pp. 48 sq.; but see Bloomfield, *Religion of the Veda*, pp. 133 sq.

immorality to maintain herself, and even in cases where no such excuse existed we learn of cases of moral laxity. But the high value placed on marriage is shown in the long and striking hymn (x, 85) which accompanied the ceremonial, the essence of which was the mutual taking of each other in wedlock by the bride and bridegroom, and the conveyance of the bride from the house of her father to that of her husband[1]. In this hymn the wedlock of Soma, here identified with the moon, and Sūryā, the daughter of the sun, is made the prototype and exemplar of marriage in general. Moreover, the Vedic marriage was indissoluble by human action, nor in the early period does it seem to have been contemplated that remarriage should take place in the case of a widow[2]. To this there was the exception, which appears clearly in the burial ritual of the Rigveda, that the brother-in-law of the dead man should marry the widow, probably only in cases where the dead had left no son and it was therefore imperative that steps should be taken to secure him offspring; for the Rigveda recognises to the full the keen desire of the Vedic Indian for a child to perform his funeral rites.

The relation of child and parent was clearly as a rule one of close affection; for a father is regarded as the type of all that is good and kind. There are traces, however, that parental rights were large and vague: if the chastisement of a gambler by his father may be deemed to be legitimate exercise of parental control, this cannot be said of the cruel act of his father in blinding Ṛijrāçva at which the Rigveda hints. The father probably controlled in some measure at least both son and daughter as regards marriage; and the right of the father to adopt is clearly recognised by the Rigveda, though a hymn ascribed to the family of Vasishṭha disapproves of the practice. The son after marriage must often have lived in the house and under the control of his father, of whom his wife was expected to stand in awe. But, on the other hand, as the father advanced in years it cannot have been possible for him to maintain a control which he was physically incapable of exercising; and so we find the bride enjoined to be mistress over her step-parents, doubtless in the case when her husband, grown to manhood, had taken over the management of the household from his father's failing hands.

[1] For the marriage ritual, see Weber and Haas, *Indische Studien*, vol. v, pp. 177–412; Winternitz, *Das altindische Hochzeitsrituell* (1892).

[2] See Delbrück, *Die indogermanischen Verwandtschaftsnamen*, pp. 553–5. Possibly remarriage was permitted in the case of a woman whose husband disappeared; see Pischel, *Vedische Studien*, vol. i, p. 27.

The head of the family appears also to have been the owner of the property of the family; but on this point we are reduced in the main to conjecture. It is certain that the Rigveda recognises to the full individual ownership of movable things, cattle, horses, gold, ornaments, weapons, slaves, and so forth. It seems also certain that land was already owned by individuals or families: the term *kshetra*, 'field,' is unmistakably employed in this sense, and in one hymn a maiden, Apālā, places her father's cultivated field (*urvarā*) on the same level with his hair as a personal possession. Reference is also made to the measuring of fields, and to *khilya*, which appear to have been strips of land between the cultivated plots, probably used by the owners of the plots in common. The Rigveda has no conclusive evidence that the sons were supposed to have any share whatever in the land of the family, and the presumption is that it was vested in the father alone, as long as he was head of the family and exercised his full powers as head. We are left also to conjecture as to whether the various plots were held in perpetuity by the head of the family and his descendants, or whether there were periodic redistributions, and as to the conditions on which, if there were several sons, they could obtain the new allotments necessary to support themselves and their families. But there can hardly have been much difficulty in obtaining fresh land; for it is clear that population was scanty and spread over wide areas, and wealth doubtless consisted in the main in flocks and herds.

There is no hint in the Rigveda of the size to which a family might grow and yet keep together. It is clear that there might be three generations under the same roof, and a family might thus be of considerable dimensions. But life can hardly have been long—so much stress is laid on longevity as a great boon that it must have been rare—and, even if we decline to accept the view that exposure of aged parents was normal, there must have been a tendency for the family to break up as soon as the parent died, especially if, as is probable, there was no such land hunger as to compel the sons to stay together. The sons would, however, naturally enough stay in the vicinity of one another for mutual support and assistance. The little knot of houses of the several branches of the family would together form the nucleus of the second stage in Rigvedic society, the *grāma*, 'village,' though some have derived its name originally from the sense 'horde[1]'

[1] See Zimmer, *Altindisches Leben*, pp. 159, 160; Feist, *Kultur, Ausbreitung, und Herkunft der Indogermanen*, p. 148.

as describing the armed force of the tribe which in war fought in the natural divisions of family and family. Next in order above the *grāma* in the orthodox theory was the *viç* or 'canton,' while a group of cantons made up the *jana*, 'people.' This scheme can be supported by apparent analogies not only from Greece, Italy, Germany, and Russia, but also from the Irānian state with the graduated hierarchy of family or households, *vis*, *zantu*, and *dahyu*[1]. But for Vedic India the fourfold gradation cannot successfully be maintained. It is not merely that the various terms are used with distressing vagueness—so that for example the Bharatas can be called at one time a *jana* and at another a *grāma*—but that the evidence for the relationship of subordination between the *grāma* and the *viç* is totally wanting. Moreover the Irānian evidence tells against the theory that the *viç* is removed by the *grāma* from the family in the narrower sense: the more legitimate interpretation is to see in the Irānian division a step further than that of the Rigveda and to set the *jana* as parallel to the *zantu*, acknowledging that in the time of the Rigveda the political organisation of the people had not extended to the creation of aggregates of *janas*, unless such an aggregate is presented to us in the twenty-one *janas* of the two Vaikarṇas who are mentioned in one passage of the Saṃhitā. The *viç* will thus take its place beside the Irānian *vis* as a clan as opposed to family in the narrower sense, and be a real parallel to the Latin *gens*, and the Greek *genos*. It is possible that the *grāma* is originally the *gens* in its military aspect, but even that is not certain, for the word may originally have referred to locality. Nor can we say with any certainty for the period of the Rigveda whether the *grāma* contained the whole of a *viç*, or part of a *viç*, or parts of several *viças*. But amid much that is conjectural it is clear that the *viç* was not a normal unit for purposes of government, for the term *viçpati*, 'lord of a *viç*,' has not in any passage the technical sense of 'lord of a canton.' On the other hand, the *grāma* as a unit is recognised by the use of the term *grāmaṇī*, 'leader of a village,' an officer who appears in the Rigveda, and who was probably invested with both military and civil functions, though we have no details of his duties or powers.

While the sense 'clan' is comparatively rare, the word *viç* not unfrequently in the plural denotes 'subjects': so we hear of the *viças* of Tṛinaskanda, a king elsewhere unknown, and of the *viças* of the Tṛitsus, the royal family of which Sudās was a member. In

[1] Zimmer, *l.c.*; Geiger, *Ostiranische Kultur*, p. 427.

the former case the sense 'clans' is obviously inappropriate, while in the latter the rendering 'clans' which was long adopted has resulted in the confusion of the relations of the Bharatas and the Tṛitsus, the Tṛitsus being regarded as a people opposed to the Bharatas, instead of taking their place as the rulers of the Bharatas. The subjects as a whole made up the *jana*, a term which in Vedic use denotes either the individual man or the collective manhood of the tribe as a political unit. Above that unit no political organisation can be shown to have existed. The confederacy of the five tribes by whom Sudās was attacked was evidently more than a mere passing episode, but clearly it did not involve any system of political subordination, from which a great kingdom could emerge. There was however beyond that a feeling of kinship among all the tribes who called themselves Āryan, stimulated no doubt into distinct expression by their presence in the midst of the dark aboriginal population.

The question now presents itself as to the extent to which in the period of the Rigveda the caste system had been developed. The existence of the caste system in any form in the age of the Rigveda has been denied by high authority[1], though it has been asserted of late with increasing insistence[2]. In one sense, indeed, its presence in the Rigveda cannot be disputed. In the *Purusha-sūkta* the four castes of the later texts, Brāhmaṇa ('priest'), Rājanya ('prince' or more broadly 'warrior'), Vaiçya ('commoner'), and Çūdra are mentioned. But this hymn is admittedly late and can prove nothing for the state of affairs prevailing when the bulk of the Rigveda was composed. On the other hand, as we have seen, the distinction between the Āryan colour (*varṇa*) and that of the aborigines is essential and forms a basis of caste. The question is thus narrowed down to the consideration of the arguments for and against the view that in the Āryans themselves caste divisions were appearing. On the one hand, it is argued that in the period of Vasishṭha and Viçvāmitra, when the great poetry of the Rigveda was being produced, neither the priestly class nor the warrior class was hereditary. The warriors of the community were the agricultural and industrial classes, and the priesthood was not yet hereditary. It has been held that the Brāhman priest was not necessarily the member of an hereditary class at all, that the term

[1] Muir, *Original Sanskrit Texts*, vol. I[2], pp. 239 sq.; Zimmer, *Altindisches Leben*, pp. 185–203; Weber, *Indische Studien*, vol. X, pp. 1 sq.

[2] See Geldner, *Vedische Studien*, vol. II, p. 146; Oldenberg, *Z.D.M.G.*, vol. LI, pp. 267 sq.

could be applied as well to any person who was distinguished by genius or virtue, or who for some reason was deemed specially receptive of the divine inspiration. The growth of the caste system is traced on this hypothesis to the complication of life ensuing on the further penetration of the Āryans from the Punjab towards the east. The petty tribes found it necessary, in order to defeat the solid forces of the aborigines, to mass themselves into centralised kingdoms. The petty tribal princes thus lost their full royal rank, but found employment and profit instead in becoming a standing armed force, ready to resist sudden incursion or to crush the attempts at rebellion of the defeated aborigines. On the other hand, the industrial and agricultural population, relying on the protection of the warrior class, abandoned the use of arms. Together with the growth in the size of the kingdom and the increasing complexity of civilisation, the simple ritual of an earlier period, when the king himself could sacrifice for his people, grew to an extent which rendered this impracticable, while at the same time an ever increasing importance came to be attached to the faithful and exact performance of the rites and the preservation of the traditional formulae. The result of this process was, it is suggested, the growth of a priesthood, of a warrior class, and of a third class, the Vaiçya, sharply distinguished from one another and strictly hereditary. But the comparatively late date of this development is shown by the fact that in later times the inhabitants of the North-West, the home of the Rigveda, were regarded as semi-barbarians by those of the Middle Country, in which the Brāhmanical civilisation had developed itself, on the ground that they did not follow the strict caste system.

While there is much of truth in this view, it must be admitted that it exaggerates the freedom of the Rigveda from caste. As we have seen, the probabilities are that the main, though not the earliest, part of the Saṃhitā had its origin not in the Punjab proper but in the sacred country of later Brāhmanism, the land known in the Saṃhitās of the succeeding period as Brahmāvarta. Moreover, there is no actual proof in the Rigveda that the priesthood was not then a closed hereditary class. The term Brāhmaṇa, 'son of a Brahmā,' seems, on the contrary, to show that the priesthood was normally hereditary, and there is no instance which can be quoted of any person who is said to be other than a priest appearing to exercise priestly functions. We are told that there is a case of a king exercising the functions of domestic priest and sacrificing himself for his people, but the alleged case, that of Devāpi, rests

only on an assertion of a commentator on the hymn (x, 98), in which Devāpi appears, that he was originally a king. Even, however, if this were the case, it must be remembered that even after the complete establishment of the caste system, it was still the privilege of kings to exercise some priestly functions, such as that of the study of the nature of the absolute, a practice ascribed to them in the Upanishads. The arguments regarding the warrior class rest on a misunderstanding. Even in the latest Vedic period we have no ground to suppose that there was a special class which reserved its energies for war alone, and that the industrial population and the agriculturists allowed the fate of their tribe to be decided by contest between warrior bands, but the Rigveda certainly knows of a ruling class, the Kshatriya, and the Vedic kingship was normally hereditary, so that we may well believe that even then there existed, though perhaps only in embryo, a class of nobles, who are aptly named in the term of the *Purushasūkta*, Rājanyas, as being 'men of kingly family.' There are traces, moreover, of the division of the tribe into the holy power (*brahman*), the kingly power (*kshatra*), and the commonalty (*viç*), and, while it is true that the caste system is only in process of development in the Rigveda, it seems impossible to deny that much of the groundwork upon which the later elaborate structure was based was already in existence.

So far, our sources of knowledge, if imperfect, have given us material sufficient to sketch the main outlines of Vedic society. Unhappily, when we turn to consider more closely the details of the political organisation proper, the evidence becomes painfully scanty and inadequate. The tribes of the Rigveda were certainly under kingly rule: there is no passage in the Rigveda which suggests any other form of government, while the king under the style 'Rājan' is a frequent figure. This is only what might be expected in a community which was not merely patriarchal—a fact whence the king drew his occasional style of *viçpati*, 'Head of the *viç*'—but also engaged in constant warfare against both Āryan and aboriginal foes. Moreover, the kingship was normally hereditary: even in the scanty notices of the Rigveda we can trace lines of succession such as that of Vadhryaçva, Divodāsa, Pijavana, and Sudās, or Durgaha, Girikshit, Purukutsa, and Trasadasyu, or Mitrātithi, Kuruçravaṇa, and Upamaçravas. In some cases it has been argued that election by the cantons was possible[1]; but this

[1] See Zimmer, *Altindisches Leben*, pp. 162 sq.; Weber, *Indische Studien*, vol. XVII, p. 189; Bloomfield, *Sacred Books of the East*, vol. XLII, p. 330. That sometimes election actually took place is quite probable; but the passages quoted do not show this; see Geldner, *Vedische Studien*, vol. II, p. 303.

interpretation rests only on the improbable view that *viçaḥ* denotes not 'subjects' but 'cantons'; and the idea has no support in later literature. The activity of the sovereign on which most stress is laid is his duty of protecting his subjects; and even the Rigveda, despite its sacerdotal character, allows us to catch some glimpses of the warlike deeds of such men as Divodāsa, Sudās, and Trasadasyu. Of the king's functions in peace the Rigveda is silent, beyond showing that he was expected to maintain a large body of priests to perform the sacrifices for him and his people. From his subjects he was marked out by his glittering apparel, his palace, and his retinue, which doubtless included the princes of the royal house as well as mere retainers. To maintain his state he had the tribute paid by conquered tribes and the gifts of his people, which, once proffered freely, had doubtless become fixed payments, which the king could exact, if denied. Doubtless, too, when lands were conquered from the aborigines or from other Āryan tribes, large booty in land and slaves and cattle would be meted out to the king; but the Rigveda contains no hint that he was considered as owner of the land of the people. Nor in that Saṃhitā is there any trace that the king has developed from the priest: if that was the case in India the distinction lies far beyond the period of the Rigveda.

Of the *entourage* of the king and his servants we learn almost nothing. The *senānī*, 'leader of the army,' who appears in a few hymns, may have been a general appointed by the king to lead an expedition of too little importance to require his own intervention. The *grāmaṇī* probably led in war a minor portion of the host and was identical with the *vrājapati* mentioned elsewhere. Far more important, in the estimation at least of the composers of the hymns, was the *purohita* or domestic priest, whose position represented the height of a priest's ambition. Nor, after allowing for priestly partiality and exaggeration, can we deny the importance of the Purohita amongst a people who followed the guiding in religious matters of an hereditary priesthood. The Vedic Purohita was the forerunner of the Brāhman statesmen who from time to time in India have shown conspicuous ability in the management of affairs; and there is no reason to doubt that a Viçvāmitra or a Vasishṭha was a most important element of the government of the early Vedic realm. It is clear, too, from the hymns which are attributed to the families of these sages, that the Purohita accompanied the king to battle, and seconded his efforts for victory by his prayers and spells. In return for his faithful service the rewards of the

Purohita were doubtless large: the *dānastutis* of the Rigveda tel of the generous gifts of patrons to the poets, and we may safel assume that the largest donations were those of kings to th Purohitas. It is significant of the social arrangements of the tim that the gifts enumerated are all gifts of personal property; lan was evidently not then a normal form of gift, though we ma conjecture that, even at this early period, the king might confer o a priest or other servant the right to receive some portion of th gifts in kind which were clearly no inconsiderable part of the roya revenues.

The power of the king cannot have been in normal circum stances arbitrary or probably very great. There stood beside hin as the mode of expression of the will of the people the assembly which is denoted by the terms *samiti* and *sabhā* in the Saṃhitā It has been proposed by Ludwig[1] to see in these two terms th designations of two different forms of assembly: the one would b the assembly of the whole people, while the other would be a analogue of the Homeric council of elders, a select body to whicl the great men of the tribe, the Maghavans, alone would go to tak counsel with the king. Zimmer[2], on the other hand, sees in th *samiti* the popular assembly of the tribe, in the *sabhā* the assembl of the village. But neither view appears to be acceptable. Ther is no distinction in the texts which would justify us in contrastin *sabhā* and *samiti* in either of the ways suggested: rather it seem the *samiti* is the assembly of the people for the business of th tribe, the *sabhā* particularly the place of assembly, which serve besides as a centre of social gatherings. The king's presence i the *samiti* is clearly referred to; and there seems no reason t doubt that on great occasions the whole of the men of the trib gathered there to deliberate, or at least to decide, on the course laid before them by the great men of the tribe. But we ar reduced to analogy with the Homeric assembly for any conceptio of the action of the assembly; for, perhaps owing to the nature o the sources, nothing is known of its part in Vedic life. If indee the king was ever elected by the cantons, the election took plac in the *samiti*; but the theory that the king was ever elected has as has been already said, nothing to support it.

In accordance with the apparently undeveloped condition o political organisation, we learn little of the administration o justice. That the king exercised criminal and civil jurisdiction assisted by assessors, is a conclusion which must rest for it

[1] *Rigveda*, vol. III, p. 253.
[2] *Altindisches Leben*, pp. 172–4.

plausibility on analogy and on the later practice in India; for no passage in the Rigveda definitely alludes to the sovereign as acting in either capacity. It is therefore at least probable that his functions as judge were still confined within narrow limits. One word in the Rigveda shows that the system of wergeld was in full force, a man being given the epithet *çatadāya*, which denotes that the price of his blood was a hundred cows. In one hymn the Paṇi, whose niggardliness made him the chief object of dislike to the greedy Vedic poets, is declared to be a man only in so far as he has a wergeld, here called *vairadeya*, 'that which is to be paid in respect of enmity.' The crime, however, of which most is recorded in the Rigveda is that of theft, including burglary, housebreaking, and highway robbery, crimes which clearly must have been of frequent occurrence. The punishment of the thief seems to have rested with the person wronged: there are clear allusions to binding the thief in stocks, presumably with a view to induce his relatives to pay back to the aggrieved man the loss he has sustained. In one passage of the Rigveda there is a probable reference to the employment of trained men to recover stolen cattle, just as the Khojis of the Punjab down to modern times were expert at this difficult employment. Of death as a punishment for theft, as in later times and in other primitive societies, curiously enough nothing appears in the Rigveda.

There is hardly any mention of other forms of crime in the Rigveda. It appears clear that marriage of brother and sister was regarded as incest, and apparently marriage of father and daughter was placed in the same category of wrongful actions, as it certainly was in the later Saṃhitās, where the union of Prajāpati, one aspect of the supreme god, with his daughter is at once punished by the other gods. Prostitution was certainly not unknown, but in other respects morality seems to have been fairly high: there is no sufficient ground for attributing to the peoples whose actions are reflected in the Rigveda either the exposure of the aged or the putting away of female children.

Our knowledge of civil law is as scanty as that of criminal law. As we have seen, land seems not to have been an article of commerce. Movable property could change hands by gift or by sale, the latter taking the form of barter. The Rigveda records that in the opinion of one poet not ten cows was adequate price for an image of Indra to be used doubtless as a fetish. The haggling of the market is once clearly referred to. The standard of value seems to have been the cow, and no coin appears to have been

known, though the origin of currency may be seen in the frequent references to *nishkas* as gifts: the *nishka* most probably was an ornament in the shape of a necklace of gold or silver: at a later date the name was transferred to a gold coin. Property doubtless passed by inheritance and could be acquired originally by a man's own efforts in creation or discovery, while the dowry and the price of the bride played a considerable part in early Vedic economy, as is seen by the stress laid upon both in the Saṃhitā. Of forms of contract the only one of which we know anything was the loan, *ṛiṇa*. The Vedic Indian was an inveterate gambler, and for that among other causes he seems always to have been ready to incur debt. The rate of interest is unknown, a reference to payments of an eighth or a sixteenth may be referred either to interest or instalments of principal. At any rate, the debtor might as a result be reduced to slavery, as we learn from an interesting hymn (x, 34) where an unsuccessful dicer recites the fatal fascination for him of the dice and his consequent ruin and enslavement with its results for his family. Of civil procedure we know only so much as may be inferred from a single word, *madhyamaçī*, which may denote one who intervenes between two parties as an arbitrator, though it has also been referred to the king as surrounded by his retainers in his camp.

In war the Vedic host was led by the king; and doubtless at this time all the men of the tribe took part in it, encouraged by the priests, who with prayer and incantation sought to secure victory for those whom they supported. The king and the nobles, the Kshatriyas, fought from chariots of simple construction, the warrior standing on the left hand of the charioteer on whose skill he so largely depended. The common people fought on foot, doubtless with little attempt at ordered fighting, if we may judge from analogy and from the confused battles described in the later epics. The chief weapon in honour was the bow which was drawn to the ear and not as in Greece to the breast; but lances, spears, swords, axes, and slingstones seem to have been employed. The warrior, when completely equipped, wore coat of mail and helmet, and a hand or arm guard to save his arm from the friction of the bow-string. The arrow had a reed shaft, and the tip was either of horn or of metal: poisoned arrows were sometimes used. Though horse riding was probably not unknown for other purposes, no mention is made of this use of the horse in war. Naturally enough the banks of rivers seem to have been frequently the spots chosen for the conflict, as in the case of the famous battle of the ten kings.

All the evidence points to the absence of city life among the tribes. The village probably consisted of a certain number of houses built near each other for purposes of mutual defence, perhaps surrounded by a hedge or other protection against wild beasts or enemies. The *pur*, which is often referred to and which in later days denotes a 'town,' was, as we have seen, probably no more than a mere earthwork fortification which may in some cases at least have been part of the village. In certain passages these *puras* are called autumnal, and by far the most probable explanation of this epithet is that it refers to the flooding of the plains by the rising of the rivers in the autumn, when the cultivators and herdsmen had to take refuge within the earthworks which at other times served as defences against human foes. Of the construction of the Vedic house we learn little, but the bamboo seems to have been largely used for the beams which borrowed their name from it. In the midst of each house burned the domestic fire, which served the Indian both for practical and sacrificial uses.

Like the aborigines, the Vedic Indians were primarily pastoral: the stress laid by the poets on the possession of cows is almost pathetic. The name of the sacrificial fee, *dakshiṇā*, is explained as referring originally to a cow placed 'on the right hand' of the singer for his reward. The singers delight to compare their songs to Indra with the lowing of cows to their calves. At night and in the heat of the day the cows seem to have been kept in the fold, while for the rest of the day they were allowed to wander at will, being thrice milked[1]. Bulls and oxen on the other hand regularly served for ploughing and drawing carts, a purpose for which horses were not much used. Second to cattle came horses, which the Indian required both for bearing his chariot into the battle and for the horse-race, one of his favourite sports. Other domesticated animals were sheep, goats, asses, and dogs, the last being used for hunting, for guarding and tracking cattle, and for keeping watch at night. On the other hand, the cat had not been domesticated.

Agriculture was already an important part of the Vedic economy. The practice of ploughing was certainly Indo-Irānian as the same root (*kṛish*) occurs in the same sense in the two tongues. But it is clear that even in the Rigveda the use of the plough was increasing in frequency. We learn of the use of bulls to draw the plough, of the sowing of seed in the furrows thus made, of the cutting of the corn with the sickle, the laying of it in bundles

[1] See Geldner, *Vedische Studien*, vol. II, pp. 282 sq.

on the threshing floor, and the threshing and final sifting by winnowing. Moreover, the use of irrigation seems to be recognised in the mention of channels into which water is led. On the other hand, the nature of the grain grown is uncertain: it is called *yava*, which in the later Saṃhitās is barley, but it is quite uncertain whether this definite sense can be assigned to the word in the Rigvedic period.

Hunting seems still to have played a considerable part in the life of the day. The hunter used both bow and arrow and snares and traps. There are clear references to the capture of lions in snares, the taking of antelopes in pits, and the hunting of the boar with dogs. Birds were captured in nets stretched out on pegs. Possibly the use of tame elephants to capture other elephants was known, but this is very uncertain, for there is no clear proof that the elephant had yet been tamed at this early date. Buffaloes seem to have been shot by arrows, and occasionally a lion might be surrounded by hunters and shot to death.

There is some evidence that already in this period specialisation in industry had begun. The worker in wood has clearly the place of honour, needed as he was to produce the chariots for war and the race, and the carts for agricultural purposes. He was carpenter, joiner, wheelwright in one; and the fashioning of chariots is a frequent source of metaphor, the poet comparing his own skill to that of the wheelwright. Next in importance was the worker in metal who smelted ore in the furnace, using the wing of a bird in the place of a bellows to fan the flame. Kettles and other domestic utensils were made of metal. It is, however, still uncertain what that metal which is called *ayas* was. Copper, bronze, and iron alike may have been meant, and we cannot be certain that the term has the same sense throughout. Of other workers the tanner's art is alluded to not rarely; and to women are ascribed sewing, the plaiting of mats from grass or reeds, and, much more frequently, the weaving of cloth. It is of importance to note that there is no sign that those who carried on these functions were in any way regarded as inferior members of the community, as was the case in later times. This fact is probably to be explained by the growing number of the servile population which must have steadily increased with the conquest of the tribes, though we cannot conjecture the motives which ascribed to inferiors tasks which in the Rigvedic time were apparently honourable and distinguished. Presumably even at this time the slave population must have been utilised in assisting their masters

in their various tasks, agricultural, industrial, and pastoral; but the Rigveda unquestionably presents us with a society which is not dependent on such labour, and in which the ordinary tasks of life are carried out by the free men of the tribe[1]. This is one of the facts which show the comparative simplicity of the age of the Rigveda as compared with the next period of Indian history.

Fishing is not directly mentioned; and the Vedic Indian seems to have been very little of a navigator. The use of boats, probably dug-outs, for crossing rivers, was known, but the simplicity of their construction is adequately shown by the fact that the paddle alone was used for their propulsion. There is no mention of rudder or anchor, mast or sails, a fact which incidentally negatives the theory that the Vedic Indians took any part in ocean shipping.

Of the domestic life of the time we have a few details. The dress usually worn consisted either of three or of two garments. These were generally woven from the wool of sheep, though skins were also employed. Luxury manifested itself in the wearing of variegated garments or clothing adorned with gold. Ornaments in the shape of necklets, earrings, anklets, and bracelets were worn by both sexes and were usually made of gold. The hair was carefully combed and oiled. Women wore it plaited, while in some cases men wore it in coils: it was a characteristic of the Vasishṭhas to have it coiled on the right. Shaving was not unknown, but beards were normally worn, and on festive occasions men bore garlands.

As was natural with a pastoral people, milk formed a considerable part of the ordinary food, being taken in its natural state or mixed with grain. Ghee or clarified butter was also much used. Grain was either parched or ground into flour, and mixed with milk or butter, and made into cakes. As throughout the history of India, vegetables and fruits formed a considerable portion of the dietary. But the Vedic Indians were a nation of meat-eaters, nor need we believe that they merely ate meat on occasions of sacrifice. Rather, as in the Homeric age, the slaughter of oxen was always in some degree a sacrificial act, and one specially appropriate for the entertainment of guests, as the second name of the heroic Divodāsa Atithigva, 'the slayer of oxen for guests,' and as the practice of slaying oxen at the wedding festival abundantly show. The ox, the sheep, and the goat were the

[1] The view of Indian civilisation presented by Baden Powell (*Indian Village Community* (1896) and *Village Communities in India* (1899), etc.) which assumes that the Āryans were princely conquerors of agricultural aborigines and not themselves cultivators cannot be reconciled with the Rigveda.

normal food eaten by men and offered to their gods: horse-flesh was probably eaten only at the horse-sacrifice, and not so much as ordinary food as with a view to gain the strength and swiftness of the steed. There is no inconsistency between this eating of flesh and the growing sanctity of the cow, which bears already in the Rigveda the epithet *aghnyā*, 'not to be killed.' If this interpretation of the term is correct, it is merely a proof of the high value attached to that useful animal, the source of the milk which meant so much both for secular and sacred use to the Vedic Indian. The flesh eaten was either cooked in pots of metal or earthenware or roasted on spits.

In addition to milk, the Indians had at least two intoxicating drinks. The first was the Soma, which however, by the time of the Rigveda, appears almost exclusively as a sacrificial drink. It stands, however, to reason that the extraordinary preeminence which it acquired for religious purposes can hardly have been attained except through its original popular character; and it is difficult to resist the impression that the Soma was at first a popular drink in the home whence the Vedic Indians entered India, and that in India itself they found no plant which precisely coincided with that whence the Soma had first been produced, and so were compelled to resort to substitutes or to use the original plant after it had been brought from a great distance and had thus lost its original flavour. The popular drink was evidently the *surā*, which seems to have been distilled from grain. It was clearly extremely intoxicating, and the priests regarded it with disapproval: in one hymn mention is made of men made arrogant by the *surā* reviling the gods, while another couples it with anger and dicing as the cause of sin.

Of the amusements of the Indian first place must clearly be given to the chariot race, a natural form of sport among a horse-loving and chivalrous people. The second belongs to dicing, which forms the occasion of a lament, already referred to (*v. sup.* p. 98). Unhappily, the details of the play are nowhere described, and the scattered allusions cannot be reduced to a whole without much conjecture; but, in one form at least, the aim of the gambler was to throw a number which should be a multiple of four[1]. Dancing was also practised, and the dancing of maidens is several times mentioned; it seems that men also on occasion danced in the open air, as a

[1] See Lüders, *Das Würfelspiel im alten Indien*; Caland, *Z.D.M.G.*, vol. LXII, pp. 123 sq.; Keith, *J.R.A.S.*, 1908, pp. 823 sq.

metaphor alludes to the dust of the dancing feet of men. Music too had advanced beyond the primitive stage; and already the three types of instrument, percussion, string, and wind, were represented by the drum, used, among other purposes, to terrify the foe in battle, the lute, and the flute, the last-named instrument being said to be heard in the abode of Yama, where the holy dead dwell. The hymns themselves prove that singing was highly esteemed.

The comparative simplicity of the life of the Vedic Indian stands in striking contrast to the elaboration of the religious side of life by the priests. The Rigveda does not present us with any naïve outpouring of the primitive religious consciousness, but with a state of belief which must have been the product of much priestly effort, and the outcome of wholesale syncretism. Nothing else can explain the comparative magnitude of the Vedic pantheon, which considerably exceeds that of the Homeric poems. In the main, the religion revealed to us is in essence simple. The objects of the devotion of the priests were the great phenomena of nature, conceived as alive, and usually represented in anthropomorphic shape, though not rarely theriomorphism is referred to. The chief gods include Dyaus, the sky, who is usually coupled with Pṛithivī, the earth, and whose anthropomorphism is faint, being in the main confined to the conception of him as father. Varuṇa, the sky-god *par excellence*, has superseded Dyaus as a popular figure, and has acquired moreover a moral elevation, which places him far above the other gods. Varuṇa is the subject of the most exalted hymns of the Rigveda; but it seems clear that in this period his claim to divine preeminence was being successfully challenged by the much less ethical Indra, the god of the thunder-storm which causes the rain to pour, when the rainy season long hoped for comes to relieve the parched earth. Varuṇa bears the epithet Asura, which serves to show his parallelism with Ahura Mazda, the highest of Irānian gods; nor can there be any reason to doubt that in the Indo-Irānian period he acquired his moral elevation and preeminence. But in India it seems that his star paled before that of Indra, whose importance grew with the advance of the Āryan tribes to the regions where the rain was confined in the main to the rainy months and the terrors of the storm supplanted in the popular imagination the majestic splendour of the sky. With Varuṇa seems to have been bound up in the first instance the conception of *ṛita* as first cosmic and then moral order, and with his lessening glory these conceptions fade from Indian thought. The

importance of the sun is shown by the fact that no less than five high gods seem to be solar—Sūrya and Savitṛi, who represent the quickening power of the luminary, Mitra, whose fame in Irān is but palely reflected in India, where he is conjoined with Varuṇa and eclipsed by Varuṇa's glories, Pūshan, the representative of the power of the sun in its effect on the growth of herds and vegetation, and Vishṇu, the personification of the swift moving sun and a god destined to become one of the two great gods of India. Çiva, his great rival in later days, appears in the name of Rudra, seemingly in essence at this time a storm-god, with a dark side to his character presaging his terrible aspect in later days. Other gods are the Açvins, apparently the morning and evening stars, who are clearly parallel to the Dioscuri, the Maruts, storm-gods and attendants on Rudra, Vāyu and Vāta, the wind-gods, Parjanya, the god of rain, the Waters, and the Rivers. Ushas the Dawn, deserves separate mention, since she has evoked some of the most beautiful of Vedic poetry; but her figure seems to belong to the earliest period of Vedic hymnology, when the Indians were still in the Punjab; and after the Rigveda she vanishes swiftly from the living gods of the pantheon.

Next to Indra in importance rank Agni, 'the fire,' and the Soma. To the priest indeed there can be little doubt that these gods were of even greater importance than Indra, but the latter was seemingly more of a national god, and more nearly alive in the hearts of the people. Agni has three forms, the sun in the heaven, the lightning, and the terrestrial fire; and his descent from his highest form is variously pictured. He seems in his growth to have vanquished older gods, like Trita and Apāṃ Napāt, 'the child of the waters,' who were forms of the lightning, and Mātariçvan, a form of celestial fire. The Soma must have owed its original divine rank to its wonderful intoxicating power; but priestly speculation by the end of the Rigvedic period had succeeded in identifying the Soma and the moon, a *tour de force* which can indeed be rendered less unnatural by recognising the potent effect of the moon in the popular imagination on vegetation, but which is none the less remarkable in the success in which it finally imposed itself on the religious conscience. The Soma hymns are among the most mystical of the Rigveda; and one of the legends, that of the bringing of the Soma from heaven by the eagle, appears to be a reflection of the fall of rain to earth as a result of the lightning which rends the cloud just when the rain begins to fall.

The creation of what may be called abstract deities is not far advanced in the Rigveda, such deities as Çraddhā, 'faith,' and Manyu, 'wrath,' being confined to a few hymns of the tenth book. On the other hand, the specialisation of epithets in some cases results in the production of what is practically a new figure: thus Prajāpati, an epithet of such gods as Savitṛi and Soma, as 'lord of creatures' approaches the position of a creator. The Ādityas and their mother Aditi, who may be derived from them, present scarcely any physical features and, as we have seen, have therefore by Oldenberg been assigned to a Semitic source; but this hypothesis has not yet been rendered probable in a mythology which else seems so little touched by external influence. Personifications like Rātri, 'the night,' are mainly poetic rather than religious.

A characteristic of the Vedic theology is the tendency to group gods in pairs, especially Mitra and Varuṇa, a practice due in all probability to the natural union of heaven and earth as a pair. Of larger groups there are the Maruts, the Ādityas, and the Vasus. The last are associated vaguely with Indra or Agni, and have practically no individual character. Finally, priestly speculation has created the class of the Viçve devās, 'the All-gods,' who first include all the gods, and, in the second place, are regarded as a special group invoked with others, like the Ādityas and the Vasus.

Little part is played by minor deities in the Vedic theology. The predominance of the male element is marked: the goddesses are pale reflections of their husbands by whose names, with a feminine affix added, they are called: the only one who has a real character is Ushas, and more faintly Pṛithivī, 'the earth,' and of rivers the sacred Sarasvatī. The Ṛibhus are aerial elfs, the Apsarasas water nymphs, and the Gandharvas, their playmates, are aerial sprites. The simpler and more primitive side of nature worship is seen in the invocation of the plants, of the mountains, and of the trees of the forest; but real as these beliefs may have been to the common people, they are not the true subjects of the priests' devotion. When speculation turned to deal with these matters, it found an utterance such as is seen in a striking hymn to the goddess of the forest, which exhibits much more poetical than religious feeling.

While the great gods might be conceived at times in animal form, for example Indra or Dyaus as a bull, or the sun as a swift horse, actual direct worship of animals is hardly found in the Rigveda. The drought demon which prevents the rain from falling is conceived as a snake whom Indra crushes, and we hear

of the snake of the abyss; but, in striking contrast with later India, no direct worship of the snake attributable to its deadliness occurs. Of totemism, in the sense of the belief in an animal ancestor and the treatment of that animal as sacred and divine, the Rigveda shows not a trace. On the other hand, fetishism is seen in the allusion already quoted to the use of an image of Indra against one's enemies. Analogous to this is the sentiment which deifies the pressing-stones which expressed the Soma, the drum and the weapons of the warrior and the sacrificial post. The chief opponents of the gods are the Asuras, a vague group who bear a name which is the epithet of Varuṇa and must originally have had a good meaning, but which may have been degraded by being associated with the conception of divine cunning applied for evil ends. On a lower plane are the Rakshasas, demons conceived as in animal as well as human shape, who seek to destroy the sacrifice and the sacrificers alike, but whose precise nature cannot be definitely ascertained.

To the gods the Indian stood in an attitude of dependence, but of hope. The gods are willing to grant boons if they are worshipped; and the overwhelming mass of the evidence shows that the ordinary Vedic sacrifice was an offering made to win the divine favour, though thank-offerings may well have been known[1]. Inextricably bound up with this conception of the divine relation is that other which regards the gods as subject to control by the worshipper if he but know the correct means, a motive clearly seen in the selection of the horse as a sacrifice whereby the swift steed, the sun, may regain strength and favour his worshippers. The higher and more mystic view of the sacrifice as a sacrament is not found except in the quite rudimentary form of the common meal of the priests on the sacrificial victim: there is no proof that in thus consuming the victim the priests deemed themselves to be consuming their god, though doubtless they regarded the meal as bringing them into special relation with the god who shared it with them and so in some measure acquired the same nature as themselves. But if the view of sacrifice was less mystic, in some aspects at least, than in the case of the Mediterranean peoples, Vedic civilisation at this stage was spared the horror of human sacrifice, which can be found in the Saṃhitā only by implausible conjecture[2].

[1] See Caland and Henry, *L'Agniṣṭoma*, pp. 469–90; Keith, *J.R.A.S.*, 1907, pp. 929–49.

[2] See Hillebrandt, *Z.D.M.G.*, vol. XL, p. 708, who finds it alluded to in X, 18, 8. But see Keith, *J.R.A.S.*, 1907, p. 946.

The sacrifices offered included offerings of milk, grain, and ghee, as well as offerings of flesh and of the Soma. It is impossible to adapt the later sacrificial theory, as it appears in the next period, to the Rigvedic texts, and it is clear that at this time the sacrifice was less elaborate than it became; but there is abundant proof that already the Soma sacrifice in particular had been elaborated, and that the labour had been divided among several priests, the chief being the Hotṛi who recited the hymns and in earlier times composed them, the Adhvaryu who performed the manual actions to the accompaniment of muttered prayers and deprecations of evil, the Udgātṛi who sung the Sāman chants, and several assistants, the number seven being found quite frequently in the Rigveda. Naturally these elaborate sacrifices could not be undertaken by any save the rich men of the tribe and especially the king; and we must therefore picture to ourselves the priests as maintained by the rich men, the Maghavans, 'bountiful ones,' of the Rigveda, their number and rewards rising with the social scale of their patron, until the height of the priest's ambition was attained, the position of Purohita to the king. Beside all this elaborate ritual there was of course the daily worship of the ordinary Āryan, which he no doubt in this period, as later, conducted himself; but the Rigveda is an aristocratic collection and contains little of popular religion beyond a few incantations in the tenth book, which carry us into the homely region of spells against rivals and to repel diseases and noxious animals. But these are not really parts of the main body of the Saṃhitā.

The late tenth book also gives us the beginnings of the philosophy of India. The multiplicity of gods is questioned and the unity of the universe is asserted, while attempts are made to represent the process of creation as the evolution of being from not being, first in the shape of the waters and then in the shape of heat. Other hymns more simply consider the process as that of a creation by Viçvakarman, 'the all-maker,' or Hiraṇyagarbha, 'the golden germ,' apparently an aspect of the sun. In yet another case the sacrificial theory is applied, and in the *Purushasūkta*, the earliest authority for caste divisions, the world is fashioned from the sacrifice of a primeval giant whose name Purusha, 'man,' reappears in later philosophy as the technical term for spirit. These speculations are of interest, not for their intrinsic merit, but for the persistence with which the same conceptions dominate the religious and philosophical systems of India.

There is little in the Rigveda that bears on the life after

death. The dead were either cremated or buried, and, if cremated, the ashes were regularly buried. This suggests that burial was the older method which was altered under the pressure of migration and perhaps the Indian climate. The Rigveda is innocent of widow burning, though it clearly has the conception which gave rise to that practice, the view that life in the next world is a reflex of this life, and though in the next period we have clear references to the fact that the burning of widows was not unknown. The direct authority for the custom, which later days sought to find in the Rigveda, owes its existence to a daring forgery of quite modern date[1]. The exact fate of the dead is somewhat obscure: they are conceived, at one time, as dwelling in peace and converse with the gods of the world of Yama, the first of the dead and king of the dead. In other passages, the gods and the fathers are deemed to dwell in different places; while a third conception declares that the soul departs to the waters or the plants. Beyond this last idea there is nothing in the Rigvedic literature to suggest that the idea of metempsychosis had presented itself to the Indian mind: the fate of the evil after death is obscure: possibly unbelievers were consigned to an underground darkness; but so scanty is the evidence that Roth held that the Vedic poet believed in their annihilation. But this vagueness is characteristic of the comparative indifference of the Rigveda to morals: the gods are indeed extolled as true, though perhaps rather as a means of securing that they shall keep faith with their votary than as an assertion of ascertained truth. Except in the case of Varuṇa, the omniscient, whose spies watch men and who knows the every thought of man, the characteristics of the gods are might and strength rather than moral goodness, or even wisdom.

In its metrical form the Rigveda shows traces of the distinction between the recitative of the Hotṛi and the song of the Udgātṛi[2]: thus besides hymns in simple metres, rhythmical series of eight syllables, three or four times repeated, or eleven or twelve syllables four times repeated, are found strophic effects made up of various combinations of series of eight and twelve syllables, these being intended for Sāman singing. The verse technique has risen beyond the state of the mere counting of syllables

[1] See Wilson, *J.R.A.S.*, vol. XVI, pp. 201 sq.; Fitzedward Hall, *J.R.A.S.*, n. s. vol. III, pp. 183–92 who traces it to Raghunandana (1500 A.D.).

[2] See Oldenberg, *Z.D.M.G.*, vol. XXXVIII, pp. 439 sq.; *Prolegomena*, pp. 1 sq.; Arnold, *Vedic Metre*, Cambridge, 1905.

which it shared as regards the use of eight and eleven syllab
lines with the Irânian versification; but the process of fixing th
quantity of each syllable, which appears fully completed in th
metres of classical Sanskrit verse, is only in a rudimentary stat
the last four or five syllables tending to assume in the case
the eight and twelve syllable lines an iambic, in the case of th
eleven syllable lines a trochaic cadence. The poetry of the co
lection is of very uneven merit: Varuṇa and Ushas evoke hym
which now and then are nearly perfect in poetic conception an
expression; but much of the work is mechanical and stilted, bein
overladen with the technicalities of the ritual: this condemnatio
applies most heavily to the ninth book, which, consisting as it do
of hymns addressed to the Soma in the process of its purificatio
for use, is arid and prosaic to a degree. In style, practicall
all the hymns are simple enough, and their obscurity, which
considerable, is due to our ignorance of the Vedic age, whic
renders unintelligible references and allusions clear enough
the authors. But there is unquestionably much mysticism i
the later hymns and still more of that confusion of thought an
tendency to take refuge in enigmas, which is a marked featur
of all Indian speculation.

The language is of the highest interest, as it reveals to us a
Indo-European speech with a singular clarity of structure an
wealth of inflection, even if we admit that the first discovere
of its importance from the point of view of comparative philolog
exaggerated in some degree these characteristics. Historically
rendered comparative philology the first great impetus, and
must for all time be one of the most important subjects of stud
But it is clearly, as preserved in the hymns, a good deal mo
than a spoken tongue. It is a hieratic language which doubtle
diverged considerably in its wealth of variant forms from th
speech of the ordinary man of the tribe[1]. Moreover it show
clear signs of influence by metrical necessities which induce he
and there a disregard of the rules normally strictly observed
concord of noun and attribute. It must be remembered that
was in a peculiar position: in the first place, it was the produ
of an hereditary priesthood, working on a traditional basis: th
very first hymn of the Saṃhitā alludes to the songs of old an

[1] Cf. Grierson in *Imp. Gaz.*, vol. I, pp. 357 sq.; *J.R.A.S.*, 1904, pp. 435 sq
Wackernagel, *Altindische Grammatik*, vol. I, pp. xviii sq.; Petersen, *J.A.O.S*
vol. XXXII, pp. 414–28; Michelson, *J.A.O.S.*, vol. XXXIII, pp. 145–9; Keith, *Aitare*
Āraṇyaka, pp. 180, 196.

new poets: in the second place, the language of all classes was being affected by the influence of contact with the aboriginal tongues. The existence of slaves, male and especially female, must have tended constantly to affect the Āryan speech, and the effect must have been very considerable, if, as seems true, the whole series of lingual letters of the Vedic speech was the result of aboriginal influence. Many of the vast number of words with no known Āryan cognates must be assigned to the same influence. Thus in the period of the Rigveda there was growing up an ever increasing divergence between the speech of the learned and that of the people. As a result the language of literature remains the language of the priesthood and the nobility: it is modified gradually, and finally, at an early date, fixed for good as regards form and construction by the action of the grammarians: on the other hand, the speech of the commoner, in consequence of the constant contact with the aborigines and the growing admixture of blood, develops into Pāli and the Prākrits and finally into the modern vernaculars of India. What we do not know is how far at any given moment in the Vedic period the gulf of separation had extended. Nor do we know whether at this epoch there were distinct dialects of the Vedic speech: efforts to find traces of dialects in the Rigveda have so far ended in no secure result[1].

It is natural, at the conclusion of this survey of the more important aspects of the Vedic civilisation, to consider what date can be assigned to the main portion of the Rigveda or to the civilisation which it records. One fact of interest has been adduced from the records of treaties between the Hittites and the Kings of Mitāni of about 1400 B.C. In them occur names which a certain amount of faith may induce us to accept as denoting Indra, the two Açvins under the name Nāsatyā, one of their epithets—of unknown meaning—in the Rigveda, Mitra, and Varuṇa. It is right to add that these identifications must not be regarded as certain, though they may be correct. It has been argued by Jacobi[2] that these names must be derived from a tribe practising the religion revealed to us in the Rigveda, that

[1] The theory of Hoernle, Grierson, and Risley (*Imperial Gaz.*, vol. I, pp. 303 sq.), which sees in the Rigvedic language the speech of the Middle Country (Madhyadeça) only is not supported by the Rigveda. Only the N.W. region of the Middle Country, which lay between the rivers Sarasvatī and Drishadvatī (*Brahmāvarta*) was intimately known to the poets of the Rigveda. They show more acquaintance with the Punjab and with the Kābul Valley than with the Middle Country generally, that is to say the region lying between the Sarasvatī and Prayāga, the modern Allahābād.

[2] *J.R.A.S.*, 1909, pp. 721–6. For these names see also Chapters III and XIV.

the presence of this tribe at this date is due to a movement on their part from India, and that we have a definite date assigned at which the culture of the Rigveda existed. Unhappily the argument cannot be regarded as conclusive. It is considered by E. Meyer[1] and by Oldenberg[2] that the gods are proto-Irānian gods, affording a proof of what has always seemed on other grounds most probable, that the Indian and Irānian period was preceded by one in which the Indo-Irānians still undivided enjoyed a common civilisation. This is supported by the fact that the Avesta, which is doubtless a good deal later than the date in question, still recognises a great god to whom Varuṇa's epithet *Asura* is applied, that it knows a Verethrajan who bears the chief epithet of Indra as Vṛitrahan, 'slayer of Vritra,' that it has a demon, Nāonhaithya, who may well be a pale reflex of the Nāsatyas, and that the Avestan Mithra is the Vedic Mitra. It is also possible that the gods represent a period before the separation of Indians and Irānians, though this would be less likely if it is true that the names of the Mitāni princes include true Irānian names[3]. But, in any case, it is to be feared that we attain no result of value for Vedic chronology.

Another and, at first sight, more promising attempt has been made to fix a date from internal evidence. It has been argued by Jacobi[4] on the strength of two hymns in the Rigveda that the year then began with the summer solstice, and that at that solstice the sun was in conjunction with the lunar mansion Phalgunī. Now the later astronomy shows that the lunar mansions were, in the sixth century A.D., arranged so as to begin for purposes of reckoning with that called Açvinī, because at the vernal equinox at that date the sun was in conjunction with the star ζ Piscium. Given this datum, the precession of the equinoxes allows us to calculate that the beginning of the year with the summer solstice in Phalgunī took place about 4000 B.C. This argument must be considered further in connexion with the dating of the next period of Indian history; but, for the dating of the Rigveda, it is certain that no help can be obtained from it. It rests upon two wholly improbable assumptions, first, that the hymns really assert that the year began at the summer solstice, and, second, that the sun was then brought into any

[1] *Sitzungsberichte der k. preussischen Akademie der Wissenschaften*, 1908, pp. 14 sq.
[2] *J.R.A.S.*, 1909, pp. 1095–1100. Cf. Keith, *ibid.* 1100–6.
[3] Sayce, *ibid.* p. 1107, denies this.
[4] *Festgruss an Roth*, pp. 68 sq. = *Indian Antiquary*, vol. XXIII, pp. 154 sq.

connexion at all with the Nakshatras, for which there is no evidence whatever. The Nakshatras are, as their name indicates and as all the evidence of the later Saṃhitās shows, lunar mansions pure and simple.

In the absence of any trustworthy external evidence, we are forced to rely on what is after all the best criterion, the development of the civilisation and literature of the period. Max Müller[1] on the basis of this evidence divided the Vedic period into four, that of the Sūtra literature, 600–200 B.C., the Brāhmaṇas, 800–600 B.C., the Mantra period, including the later portions of the Rigveda, 1000–800 B.C., and the Chhandas, covering the older and more primitive Vedic hymns, 1200–1000 B.C. The exact demarcation did not claim, save as regards the latest period, any special exactitude, and was indeed somewhat arbitrary. But the fact remains that definitely later than the Rigveda we find the other Saṃhitās, of which an account is given below, and the prose Brāhmaṇa texts, which contain comments on and explanations of the Saṃhitās, whose existence they presuppose. It is impossible to deny that this mass of work must have taken time to produce, especially when we realise that what has survived is probably a small fraction as compared with what has been lost. Now in the Brāhmaṇas we find only the most rudimentary elements of the characteristic features of all Indian literature after Buddhism, the belief in metempsychosis, pessimism, and the search for deliverance. The distance between the Brāhmaṇa texts with their insistence on the ritual, and their matter-of-fact and indeed sordid view of the rewards of action in this world, and the later doctrine of the uselessness of all mundane effort, is bridged by the Āraṇyakas and the Upanishads which recognise transmigration, if not pessimism, which definitely strive to examine the real meaning of being, and are no longer content with the explanation of sacrifices and idle legends. It is unreasonable to deny that these texts must antedate the rise of Buddhism, which, in part at least, is a legitimate development of the doctrines of the Upanishads. Now the death of Buddha falls in all probability somewhere within the second decade of the fifth century before Christ[2]: the older Upanishads can therefore be dated as on the whole not later than 550 B.C. From that basis we must reckon backwards, taking such periods as seem reasonable; and, in the absence of any means of estimating these periods, we cannot

[1] Cf. *Ṛigveda Saṃhitā*, vol. IV², pp. vii sq.

[2] Fleet, *J.R.A.S.*, 1912, p. 240, thinks 483 B.C. is the most probable date.

have more than a conjectural chronology. But it is not likely that the Brāhmaṇa period began later than 800 B.C., and the oldest hymns of the Rigveda, such as those to Ushas, may have been composed as early as 1200 B.C. To carry the date further back is impossible on the evidence at present available, and a lower date would be necessary if we are to accept the view that the Avesta is really a product of the sixth century B.C., as has been argued on grounds of some though not decisive weight; for the coincidence in language between the Avesta and the Rigveda is so striking as to indicate that the two languages cannot have been long separated before they arrived at their present condition.

The argument from literature and religion is supported also by the argument from civilisation. The second period, that of the Saṃhitās, shows the development of the primitive Vedic community into something more nearly akin to the Hinduism which, as we learn from the Greek records, existed at the time of the invasion of Alexander and the immediately succeeding years. But we are still a long way from the full development of the system as shown to us in the Arthaçāstra, that remarkable record of Indian polity which is described in Chapter XIX. The language also of the Vedic literature is definitely anterior, though not necessarily much anterior, to the classical speech as prescribed in the epoch-making work of Pāṇini: even the Sūtras, which are undoubtedly later than the Brāhmaṇas, show a freedom which is hardly conceivable after the period of the full influence of Pāṇini[1]; and Pāṇini is dated with much plausibility not later than 300 B.C.[2]

[1] Bühler, *Sacred Books of the East*, vol. II², p. xlv, relies on this argument to assign Āpastamba's Sūtras to a date not later than the third cent. B.C., and suggests that they may be 150 or 200 years earlier.

[2] See Keith, *Aitareya Āraṇyaka*, pp. 21–5.

CHAPTER V

THE PERIOD OF THE LATER SAṂHITĀS, THE BRĀHMAṆAS, THE ĀRAṆYAKAS, AND THE UPANISHADS

DEFINITELY later than that depicted in the Rigveda is the ivilisation presented by the later Saṃhitās, the Brāhmaṇas, the Araṇyakas, and the Upanishads. It is on the whole probable that he total time embraced in this period is not longer, perhaps it is ven shorter, than that covered by the earlier and later strata f the Rigveda; and there are hymns in the tenth book of the Rigveda which are really contemporaneous with the later Saṃhitās, ust as those Saṃhitās have here and there preserved work of much earlier epoch. But the distinction between the main body f the Rigveda and the rest of the Vedic literature is clear and ndeniable. Nor is it open to much doubt that the redaction of the Saṃhitā of the Rigveda into what, in substance as opposed to erbal form, was its present shape took place before the other Saṃhitās were compiled. Of these Saṃhitās the Sāmaveda, the ollection of chants for the Sāman singers, is so dependent on the Rigveda for its contents, that it is negligible for purposes of istory. On the other hand, the Saṃhitās of the Yajurveda, the ollection of the formulae and prayers of the Adhvaryu priest, o whose lot fell the actual performance of the sacrificial acts, are f the highest historical importance. They represent two main chools, the Black and the White, the name of the latter being ue, according to tradition, to the fact that, whereas the texts of he Black Yajurveda contain verse or prose formulae and the rose explanations and comments combined into one whole, the ext of the latter distinguishes between the verse and prose ormulae which it collects in the Saṃhitā, and the prose exlanations which it includes in a Brāhmaṇa. Of the Black Yajurveda three complete texts exist, those of the Taittirīya, the Kāṭhaka, and the Maitrāyaṇī schools, while considerable fragments a Kapishṭhala Saṃhitā closely allied to the Kāṭhaka also exist.

In the case of the Taittirīya there is a Brāhmaṇa which is a supplementary work, dealing with matter not taken up in the Saṃhitā. The White school has the Vājasaneyi Saṃhitā and the Çatapatha Brāhmaṇa, the latter being one of the most important works in the whole Vedic literature. Finally, there is the Saṃhitā of the Atharvaveda, which is technically reckoned as appertaining to the Brāhman, the priest who in the later state of the ritual superintends the whole of the sacrifice, and which is a curious repository of most mingled matter, for the most part spells of every kind, but containing also theosophical hymns of considerable importance.

The conjunction of the prose explanation with the formulae does not prove the later composition of both the prose and the formulae, and there is no ground for attributing the two strata to the same date. On the other hand, the prose of the Yajurveda Saṃhitās is amongst the earliest Vedic prose. Possibly somewhat earlier may be that of the Pañchaviṃça Brāhmaṇa, which is the Brāhmaṇa of the Sāmaveda, and which, despite the extraordinary technicality of its details, is yet not without importance for the history of the civilisation of the period. The Brāhmaṇas of the Rigveda are probably slightly later in date, the older being unquestionably the earlier part (books I–V) of the Aitareya, and the younger the Kaushītaki or Çāṅkhāyana[1]. When the Atharvaveda, which long was not recognised as fully entitled to claim rank as a Veda proper, came within the circle of the Vedas, it was considered desirable to provide it with a Brāhmaṇa, the Gopatha, but this strange work is in part a cento from other texts, including the Çatapatha Brāhmaṇa, and appears to be later than the Kauçika and Vaitāna Sūtras attached to the Atharvaveda: its value then for this period is negligible.

Special portions from the Brāhmaṇas are given the title of Āraṇyaka, 'forest books,' apparently because their contents were so secret that they had to be studied in the depths of the forests, away from possibility of overhearing by others than students. The extant texts which bear this name are the Aitareya, the Kaushītaki, and the Taittirīya, which are appendages to the Brāhmaṇas bearing those names. All three are somewhat heterogeneous in composition, the Aitareya being the most definitely theosophical, while the Taittirīya is the least. Still more important are the Upanishads, so called because they were imparted to pupils in secret session, the term denoting the sitting of the pupil before

[1] See Keith, *Aitareya Āraṇyaka*, pp. 172, 173.

the teacher. Each of the three Āraṇyakas contains an Upanishad of corresponding name. More valuable however are the two great Upanishads, the Bṛihadāraṇyaka, which is attached to the Çatapatha Brāhmaṇa, forming part of its fourteenth and last book in one recension and the seventeenth book in the other, and the Chhāndogya Upanishad attached to the Sāmaveda; these two are in all probability the oldest of the Upanishads. To the Sāmaveda also belongs the Jaiminīya Brāhmaṇa, one book of which, the Jaiminīya Upanishad Brāhmaṇa, is really an Āraṇyaka, and, like other Āraṇyakas, contains in itself an Upanishad, the brief but interesting Kena Upanishad. The number of treatises styled Upanishad is very large; but, with the possible exception of the Kāṭhaka, which expands a legend found in the Taittirīya Brāhmaṇa dealing with the nature of the soul, none of them other than those enumerated can claim to be older than Buddhism; and the facts which they contain cannot therefore prudently be used in sketching the life of the period under review. Similarly, the Sūtras, which are text-books either giving in the form of very brief rules directions for the performance of the sacrifice in its various forms (the Çrauta Sūtras dealing with the great rites at which a number of priests were employed, the Gṛihya Sūtras with the domestic sacrifices and other duties performed by the householder), or enunciating customary law and practice (the Dharma Sûtras), cannot safely be relied upon as presenting a picture of this period. They are however of much indirect value; for they throw light upon practices which are alluded to in the Brāhmaṇas in terms capable of more than one interpretation; and here and there they preserve verses, far older than the works themselves, which contain historic facts of value.

We have seen that, in the period of the Rigveda, the centre of the civilisation was tending to be localised in the land between the Sarasvatī and the Dṛishadvatī, but that, though this was the home of the Bharatas, other tribes including the famous five tribes dwelt in the Punjab, which had in all probability been the earlier home of the Indians. In the Brāhmaṇa period, as the period under review may conveniently be called, the localisation of civilisation in the more eastern country is definitely achieved, and the centre of the life of the day is Kurukshetra, bounded by Khāṇḍava on the south, Tūrghna on the north, Parīṇah on the west. In contrast with the frequent mention of the eastern lands the Punjab recedes in importance; and its later name, Pañchanada, 'land of the five streams,' is not found until the epic period. The

tribes of the west receive disapproval both in the Çatapatha and the Aitareya Brāhmaṇas. In the Aitareya Brāhmaṇa a geographical passage ascribes to the Middle Country, the later Madhyadeça, the Kurus and Pañchālas with the Vaças and the Uçīnaras, to the south the Satvants, and to the north beyond the Himālaya the Uttara-Kurus and the Uttara-Madras. On the other hand, while the west recedes in importance the regions east of the Kuru-Pañchāla country come into prominence, especially Kosala, corresponding roughly to the modern Oudh, Videha, the modern Tirhut or N. Bihār, and Magadha, the modern S. Bihār. Still further east was the country of the Aṅgas, the modern E. Bihār. In the south we hear of outcast tribes in the Aitareya Brāhmaṇa, probably tribes who were not fully Brāhmanised: their names are given as the Andhras, who appear as a great kingdom in the centuries immediately before and after the Christian era, Puṇḍras, Mūtibas, Pulindas, and Çabaras, the last named being now a tribe living on the Madras frontier near Orissa and showing, in its language, traces of its Muṇḍā origin. In the south also was Naishadha.

It does not seem likely that Āryan civilisation had yet overstepped the Vindhya, which is not mentioned by name in the Vedic texts, though the Kaushītaki Upanishad refers to the northern and southern mountains, the latter of which must be the Vindhya. At the same time geographical knowledge of the north is wider: the Atharvaveda knows not only of the Mūjavants and the Gandhāris, but also of the Mahāvṛishas, and the name of a place in the Mahāvṛisha country, Raikvaparṇa, is preserved in the Chhāndogya Upanishad. Yāska in the *Nirukta*, a text of about 500 B.C. explaining with illustrations certain selected Vedic words, tells us that the speech of the Kambojas differed in certain respects from the ordinary Indian speech, referring doubtless to the tribes living north-west of the Indus who bore that name. Vidarbha, the modern Berār, is mentioned, but only in the late Jaiminīya Upanishad Brāhmaṇa, though a Bhīma of Vidarbha occurs in a late passage of the Aitareya.

In addition to a wider geographical outlook, the Brāhmaṇa period is marked by the knowledge of towns and definite localities. There are fairly clear references to Āsandīvant, the Kuru capital, Kāmpīla, the capital of Pañchāla in Madhyadeça, to Kauçāmbī, and to Kāçī, the capital of the Kāçis on the river Varaṇāvatī, whence in later times Benares derives its name. So we hear in this period for the first time of the Vinaçana, the place of the disappearance of the Sarasvatī in the desert, and Plaksha Prāsravaṇa

the place forty-four days' journey distant, where the river reappears and which, in the version of the Jaiminīya Upanishad Brāhmaṇa, is but a span from the centre of the universe. These are clear signs both of more developed city life and of more settled habits.

Corresponding with the change in geographical conditions is a still greater change in the grouping of the tribes. The Bharatas, who are the heroes of the third and the seventh books of the Rigveda, no longer occupy the main position, and we find in their place, in the land which we know they once held, the Kurus, and close to the Kurus the allied Pañchālas. As we have seen already, there is little doubt that the Kurus were new comers with whom the Bharatas amalgamated, and the Kurus thus reinforced included in their numbers the Pūrus. The mention of the Uttara-Kurus as resident beyond the Himālaya is sufficiently accounted for if we suppose that a branch of this tribe had settled in Kashmīr, just as another branch seems to have settled on the Indus and the Chenāb. The Pañchālas, too, seem to have been a composite tribe, as the name which is clearly derived from *pañcha*, 'five,' shows. According to the Çatapatha Brāhmaṇa the older name for the Pañchālas was Krivi; and we may at least believe that the Krivis who with the Kurus appear to have constituted the two Vaikarṇa tribes of the Rigveda were a part of the Pañchāla nation[1]. The same Brāhmaṇa suggests, if it does not prove, that the Turvaças were another element of the people; and the disappearance from history at this period of the Anus and Druhyus may indicate that they also were merged in the new confederation. With the Kurus and Pañchālas must be ranked the Vaças and Uçīnaras, two minor tribes who occupied the Middle Country, and the Sṛiñjayas, whose close connexion with the Kurus is proved beyond doubt by the fact that at one time they had a Purohita in common, showing that, for the time at least, they must have been acting under the leadership of one king.

In the texts the Kuru-Pañchālas pass as the models of good form: the sacrifices are perfectly performed in their country: speech is best spoken there and, as it seems, among the northern Kurus; and the Kaushītaki Brāhmaṇa tells of people going to the north for the sake of its pure speech. The Kuru-Pañchāla kings are the example for other kings: they perform the Rājasūya, the sacrifice of the royal consecration: they march forth in the dewy season for their raids and return in the hot season. Their Brāhmans are famous in the literature of the Upanishads for their knowledge;

[1] See also Chapter IV, p. 83.

and the Saṃhitās and Brāhmaṇas which are preserved seem, without exception, to have taken definite form among the Kuru-Pañchālas, even when, as in the case of the Çatapatha Brāhmaṇa, they recognise the existence of the activities of the kings and priests of Kosala-Videha. It is significant of the state of affairs that in the Saṃhitās and allied texts of the Yajurvedas where the ceremony of the Rājasūya is described, the king is presented to the people with the declaration, 'This is your king, O Kurus,' with variants of 'O Pañchālas' and 'O Kuru-Pañchālas.'

In the Sanskrit epic the Kurus and the Pañchālas are conceived as being at enmity; and it is natural to enquire whether this tradition goes back to the Vedic period[1]. The reply, however, must be in the negative, for the evidence adduced in favour of the theory is of the weakest possible character. In the Kāṭhaka Saṃhitā there is an obscure ritual dispute between a certain priest, Vaka, son of Dalbha, who is believed to have been a Pañchāla, and Dhṛitarāshṭra Vaicitravīrya, who is assumed to have been a Kuru king. But apart from the fact that a mere dispute on a point of ritual between a Pañchāla priest and a Kuru king could not prove any hostility between the two peoples, there is no ground for supposing that this Dhṛitarāshṭra was any one else than the king of the Kāçis who bears the same name and who was defeated by the Bharata prince, Sātrājita Çatānīka, and in the very same passage of the Kāṭhaka allusion is made to the union of the Kuru-Pañchālas. A second argument of some human interest is derived from the clever suggestion of Weber that in the revolting ceremony of the horse-sacrifice, one of the great kingly sacrifices by which the Indian king proclaimed his claim to imperial sway, the queen of the Kurus is compelled to lie beside the victim, since otherwise Subhadrikā, the wife of the king of Kāmpīla, the capital of Pañchāla, would take her place. If this were the case there would be convincing proof of an ancient rivalry which might well end in the bitter conflicts of the epic; but, unhappily, the interpretation is almost certainly incorrect. With the absence of evidence of opposition between the Kurus, assumed to have been specially Brāhmanical, and the Pañchālas, disappears any support for the theory[2], based on the phenomena of the later distribution of dialects in India, that the Kurus were a fresh stream of immigrants into India who came via Chitrāl and Gilgit and forced themselves

[1] For this view see Weber, *Indische Studien*, vol. I, pp. 184, 205, 206; vol. III, p. 470; Grierson, *J.R.A.S.*, 1908, pp. 602–7, 837–44, 1143. Arguments against are given by Keith, *J.R.A.S.*, 1908, pp. 831–6, 1138–42.

[2] See Chapters II, pp. 45–6, 50, and IV, p. 110, note 1.

as a wedge between the Āryan tribes already dwelling in the land. The theory proceeds to assume that, coming with few or no women, they intermingled with the Dravidian population with great completeness and produced the Aryo-Dravidian physical type. If these things were so, the fact was not at any rate known by the age which produced the Saṃhitās and the Brāhmaṇas.

Though the Bharatas disappear in this period as a tribe, the fame of the Bharata kings had not been lost: in a passage in the Çatapatha Brāhmaṇa which describes the famous men who sacrificed with the horse-sacrifice, we hear of the Bharata Dauḥshanti, whom the nymph Çakuntalā bore at Nāḍapit, and who defeated the king of the Satvants and won victories on the Ganges and Jumna, showing that the Bharatas, as in the Rigveda, were performing their great deeds on the eastern as well as on the western side of the kingdom. Another king, Sātrājita Çatānīka, as we have seen, defeated the king of the Kāçis. We hear too of a descendant of Divodāsa, Pratardana, whose name is of value as tending to show that the Tṛitsus were the family of the royal house of the Bharatas: according to the Kaushītaki Upanishad he met his death in battle. It is possible that with him perished the direct Tṛitsu line: at any rate, the first king who bears the Kuru name, Kuruçravaṇa, is a descendant of Trasadasyu, the greatest of the Pūru kings. But of Kuruçravaṇa and of his father Mitrātithi, and his son Upamaçravas we know practically nothing; and the first great Kuru king is one mentioned in the Atharvaveda, Parikshit, in whose reign the hymn tells us the kingdom of the Kurus flourished exceedingly. His grandson and great-grandson according to tradition were the Prātisutvana and Pratīpa whose names are mentioned in the Atharvaveda. A later descendant of his was the famous Janamejaya, whose horse-sacrifice is celebrated in the Çatapatha Brāhmaṇa, and who had in his *entourage* the priests Indrota Daivāpi Çaunaka and Tura Kāvasheya. His brothers Ugrasena, Bhīmasena, and Çrutasena by the same sacrifice purified themselves of the crime of Brāhman-slaying. But the history of the Kurus was not apparently, at the end of the period, unchequered: there is an obscure reference to their being saved by a mare, perhaps a reference to the prowess of their charioteers or cavalry in battle; but the same text, the Chhāndogya Upanishad, alludes to a hailstorm or perhaps a shower of locusts[1] afflicting them, and a prediction is preserved in an old Sūtra telling that they would be driven from Kurukshetra. It is in accord with

[1] See Jacob, *J.R.A.S.*, 1911, p. 510.

these hints that the Bṛihadāraṇyaka Upanishad sets as a question for discussion the problem what has become of the descendants of Parikshit: the dynasty must have passed away in some great disaster. From the Çatapatha Brāhmaṇa we gather that the capital of Janamejaya was Asandīvant, 'the city of the throne,' and that at Mashṇāra a Kuru king won a victory, and Tura Kāvasheya, a priest of the Bharatas, sacrificed at Kārotī.

Of the Pañchālas apart from the Kurus we hear comparatively little: they had however kings like Kraivya and Çoṇa Sātrāsāha, father of Koka, who performed the horse-sacrifice and thus claimed imperial power, Durmukha, who was taught the royal consecration by Bṛihaduktha and conquered the whole earth, and the more real Pravāhaṇa Jaivali who appears as philosopher king in the Upanishads, and who at least must have been willing to take part in the disputes of the Brāhmans at his court. Pañchāla towns were Kāmpīla, Kauçāmbī, and Parivakrā or Paricakrā, the scene of Kraivya's exploits.

The Uttara-Kurus seem already in the time of the Aitareya Brāhmaṇa to have won a somewhat mythical reputation, for when Atyarāti Jānaṃtapi, who was not a king, proposed to conquer them as well as the rest of the world, he was dissuaded by his priest Vasishṭha Sātyahavya, and for his rashness was defeated by Amitrātapana Çushmiṇa, the king of the Çibis, a tribe no doubt identical with the Çivas of the Rigveda and belonging to the north-west. The Uttara-Madras must have lived near them in Kashmīr; and the Madras of whom we hear in the Bṛihadāraṇyaka Upanishad were, in the Buddhist epoch, settled between the Chenāb and the Rāvi. In the Middle Country with the Kuru-Pañchālas were the Vaças and Uçīnaras who seem to have been of no importance. With them in the Kaushītaki Upanishad are coupled the Matsyas, and we hear of one great Matsya king, Dhvasan Dvaitavana, who performed the horse-sacrifice and who probably ruled in or about Jaipur or Alwar, where lake Dvaitavana must be placed. On the Jumna we hear at the end of the period of the Salvas, under king Yaugandhari, probably in close touch with the Kuru-Pañchāla people.

The Sṛiñjayas also stood in this period in close relationship to the Kurus, and like the Kurus the Sṛiñjayas seem to have suffered disaster at some period. The Vaitahavyas, the Atharvaveda relates, offended the priestly family of the Bhṛigus and came to ruin: this tradition is confirmed by the notices of disasters in the Kāṭhaka and Taittirīya Saṃhitās. Of their history we have one

definite glimpse: they rose against their king, Dushṭarītu Pauṃsāyana, despite the ten generations of his royal descent, and expelled him with his Sthapati, 'minister,' Chākra Revottaras Pāṭava; but the latter afterwards succeeded in restoring his master to power, despite the opposition of Balhika Prātipīya, whose patronymic reminds us of the Pratīpa who was a descendant of the Kuru king Parikshit, showing that the Kuru princes were probably anxious enough to use domestic strife as a means of securing a hold over a neighbouring kingdom. Perhaps in the long run the ruin of the Vaitahavyas took the shape of absorption in the Kuru realm. On the other hand, the defeats of the Satvants on the south by the Kurus were doubtless nothing more than mere raids.

Further east of the Kuru-Pañchāla realm lay the territories of Kosala and Videha, which were, however, not allied in any so close a manner as the Kurus and the Pañchālas. Para, son of Aṭṇāra, their greatest king who celebrated the horse-sacrifice, is however spoken of as a king of Videha as well as a king of Kosala, showing that the kingdoms were sometimes united under one sovereign. A well-known legend in the Çatapatha Brāhmaṇa recognises that Videha received Vedic civilisation later than Kosala, for it tells how Māthava the Videgha, whose name shows the older form of the word Videha, passed from the Sarasvatī, the seat of Vedic culture, to the land of Videha, crossing the Sadānīrā; this perennial stream, as its name denotes, formed the boundary of Kosala on the east and, with some plausibility, has been identified with the modern Gandak, which rising in Nepāl joins the Ganges near Patna. Kāçī and Videha are also connected in the Kaushītaki Upanishad; and a late text preserves the record that Jala Jātūkarṇya was the Purohita of the Kosalas, Videhas, and Kāçis at one time, proving a temporary league. Of other kings we hear of the Kosalan Hiraṇyanābha, of the Videhan Namī Sāpya, and beyond all of Janaka of Videha, whose fame leads him to play the part of the father of Sītā, the heroine of the Rāmāyaṇa, the second of India's great epics. Janaka appears himself as a king ever anxious to seek for the wisdom of the Brāhmans; and among his contemporaries are mentioned the great Yājñavalkya, and Çvetaketu. His contemporary was Ajātaçatru of Kāçī, whom one account indeed refers to as of Kāçī or Videha, and it is a natural suggestion that in this name we have a chronological fact of value. It is suggested that in this Ajātaçatru we have the Ajātasattu of the Buddhist texts, who was a contemporary of the Buddha and who

ierefore reigned in the sixth century B.C.[1] But the suggestion is ot a happy one. In the Buddhist text Ajātasattu never appears a king of any other place than Magadha, and the name is merely n epithet, 'he who has no foe,' which could be applied to any ing, though it may well be that the Ajātasattu of Magadha gladly orrowed an epithet which a king of Kāçī had made famous. ther kings of Kāçī were Dhṛitarāshṭra, whose defeat by a Bharata as been mentioned above, and Bhadrasena, a descendant of jātaçatru.

It is very noticeable that the relations of Kāçī and the Bharatas eem to have been those of war; and there is evidence of some version existing between the Kosala-Videhas and the Kāçis on e one hand and the Kuru-Pañchālas on the other. It is clear nough that the Brāhmanical tradition came to the Kosala-Videhas om the Kuru-Pañchāla country; but the question remains hether the Āryan tribes, who occupied Oudh and Tirhut, were branch of the Kuru-Pañchālas or men who were originally settled the Kuru-Pañchāla country or on its borders and were pushed stwards by the pressure of the Kuru-Pañchālas. The evidence not sufficient to pronounce any opinion on either view, and, as e have seen, still less to show that the Kurus were distinct from e Pañchālas as a different branch of the Āryan invaders of ndia.

Much more definitely still beyond the pale were the people of lagadha, which serves with Aṅga in the Atharvaveda as a symbol f a distant land. The man of Magadha is dedicated, in the ccount of the symbolic human sacrifice given in the Yajurveda, 'loud noise,' suggesting that the Magadha country must have een the seat of minstrelsy, an idea supported by the fact that in ter literature a man of Magadha is the designation of a minstrel. , as has been suggested, the Kīkaṭas of the Rigveda were really cated in Magadha, the dislike of the country goes back to the igveda itself. The cause must probably have been the imperfect rāhmanisation of the land and the predominance of aboriginal lood, which later in history rendered Magadha the headquarters f Buddhism. It is significant that the Buddhist texts show a ubordination of the Brāhman to the Kshatriya class which has no arallel in the orthodox literature. It is clear however that rāhmans sometimes lived there, but that their doing so was ground for surprise.

[1] See Hoernle, *Osteology*, p. 106. For arguments against, see Keith, *Z.D.M.G.*, ol. LXII, pp. 138–9.

The man of Magadha is brought into close connexion with the Vrātya in a mystical hymn in the Atharvaveda which celebrates the Vrātya as a type of the supreme power in the universe. A more connected account of the Vrātyas is found in the Pañchaviṃça Brāhmaṇa of the Sāmaveda and the Sūtras of that Veda[1]. It is clear that, as their name suggests, they were persons regarded as outcasts; and ceremonies are described intended to secure them admission into the Brāhmanical fold. The description of the Vrātyas well suits nomad tribes: they are declared not to practise agriculture, to go about in rough wagons, to wear turbans, to carry goads and a peculiar kind of bow, while their garments are of a special kind. Their sense of justice was not that of the Brāhmans, and their speech, though it seems Āryan, was apparently Prākritic in form, as is suggested by the significant remark that they called what was easy of utterance hard to speak; for the Prākrits differ from Sanskrit essentially in their efforts to avoid harsh consonantal combinations. Where they were located is not certain, for their habits would agree well enough with nomads in the west; but the little information which we have seems fairly enough to lead to the conclusion that some at least of the Vrātyas were considered to be dwellers in Magadha.

There is little to be said of other tribes. The Vidarbhas are known through one of their kings who received certain knowledge from the mythical sages Parvata and Nārada, and through a special kind of dog found in their country. The list of kings who performed the horse-sacrifice includes the Çvikna king, Ṛishabha Yājñatura. Mention has been made above of the Pārāvatas, who were found on the Jumna; and the Kekayas with their prince Açvapati, and the Balhikas were located in the far north. The temptation to transform the name of the latter into a sign of Irānian influence must be withstood, as it rests on no sure basis and we have seen Balhika as part of the name of a Kuru prince. An early Sūtra refers to Çaphāla, the kingdom of Ṛituparṇa. The Andhras, and other tribes mentioned by the Aitareya Brāhmaṇa as outcasts, were probably still Dravidian in blood and speech, though Muṇḍā speaking tribes may have been mingled with them as the name Çabara suggests. The Aṅgas, too, may have been comparatively little affected by the influence of the Āryan culture. It has been conjectured that in Magadha the wave of Āryan civilisation met with another wave of invasion from the east; but,

[1] Charpentier, *V.O.J.*, vol. xxv, pp. 355 sq., sees in the Vrātyas the precursors of the Çivaites of to-day. But see Keith, *J.R.A.S.*, 1913, pp. 155 sq.

mpting as the suggestion is, it cannot be supported by anything
the Vedic literature[1].

As was to be expected, society was far from unchanged in this
eriod of active Āryan expansion. As we have seen, there is good
eason to believe that in the period of the Rigveda the priesthood
nd the nobility were hereditary. This view receives support from
e fact that similar class distinctions are to be found in other
ndo-European communities, such as the patrician *gentes* in Rome,
e Eupatridae of Athens, the nobles of early Germany, the eorls
f the Anglo-Saxons, and the still closer parallel of the Irānian
asses of Athravas and Rathaesthas, 'priests' and 'warriors.' It
ay even be that these distinctions are earlier than the severance
f the Indo-Irānians, if not as old as the union of the Āryan
eoples. But in this period there comes into existence a new
ctor, the introduction of divisions among the ordinary freemen,
e Vaiçyas, and the development of a large and complicated
stem of caste which converts the simple distinction of Vaiçya
nd Çūdra into an ever-increasing number of endogamous hereditary
roups practising one occupation or at least restricted to a small
umber of occupations. This result was certainly far from being
ached in the period of the Brāhmaṇas, but the tendency of social
r racial distinctions to harden into castes is already apparent. In
his development there must have been two main influences: the
orce of occupation is later revealed clearly enough in the Pāli
exts, and another interesting case is supplied by the Brāhmaṇas
hemselves. In the Taittirīya Brāhmaṇa the Rathakāras, 'chariot
akers,' appear as a special class along with the Vaiçyas; and in this
pecial position we can see how the chariot makers, the type of skilled
orkers in the Rigveda, have, through their devotion to a mechanical
rt, lost status as compared with the ordinary freeman. The influence
f the aborigines must also have been very strong, as intermarriage
roceeded. To be born of a female Çūdrā was a disgrace with
hich Kavasha and Vatsa were taunted by their priestly con-
emporaries: contact with the aborigines seems to have raised
uestions of purity of blood very like those which at present
gitate the Southern States of the United States or the white
eople in South Africa. In the Rigveda, restrictions on inter-
arriage seem to have been of the simplest kind, confined to rules
uch as those prohibiting marriage of brother and sister or father
nd daughter. In the Sūtras the rules are still not quite rigid;

[1] See Pargiter, *J.R.A.S.*, 1908, p. 852. Oldenberg, *Buddha*[5], p. 10, thinks that the
nga, Magadha, Kāçi, Kosala, and Videha tribes were earlier Āryan immigrants.

but they insist that there shall be no marriage with agnates or cognates, and they require that a man must either marry in his own caste, or if he marries out of his caste, it must be into a lower caste. But while some authorities so lay down this rule as to allow the Brāhman to marry into the next two lower castes, the Kshatriya and the Vaiçya, and the Kshatriya to marry into the Vaiçya caste, others also permit marriage with Çūdrās, and therefore allow a Vaiçya to marry into that caste.

As might be expected, the Brāhmaṇa period presents us with a stage intermediate between the rules of the Sūtras and the laxity of the Rigveda. The rule as to marriage within the circle of the cognates and agnates seems, by the time of the Çatapatha Brāhmaṇa, to have extended only to the prohibition of marriage with relations of the third or, according to others, of the fourth degree. Similarly in the Brāhmaṇas, while we have no reason to doubt that priesthood and nobility were hereditary, these castes seem to have been free to intermarry with the lower castes including the Çūdra, as the cases of Vatsa and Kavasha cited above indicate. The marriage of a Brāhman with the daughter of a king is attested by the case of Sukanyā, the daughter of Çaryāta, who married the seer, Chyavana.

The question how far change of caste was possible raises difficult problems. The evidence of any change is scanty in the extreme. The most that can be said is that it does not seem to have been impossible. Thus in the Rigveda, as we have seen, Viçvāmitra is a priest, the Purohita of the king Sudās, but in the Pañchaviṃça and the Aitareya Brāhmaṇas he is treated as of royal descent, of the family of the Jahnus. The Pañchaviṃça Brāhmaṇa also speaks of certain persons as royal seers; and the later tradition, preserved in the *Anukramaṇī* or 'index' to the composers of the Rigveda, ascribes hymns to such royal seers, in some cases at least without any real foundation. Yāska, in one instance, represents a prince, Devāpi, as sacrificing for his brother Çaṃtanu, the king; but here we can see from the passage of the Rigveda on which his narrative is based that he has no warrant for this theory. In the Aitareya Brāhmaṇa a king, Viçvantara, sacrifices without his priests, the Çyāparṇas; but the case has no cogency, for the mention of other priests in the context suggests the natural inference that he used one or other of these groups. Some kings are mentioned in the Pañchaviṃça Brāhmaṇa and elsewhere as having been great sacrificers; but this may mean no more than that they were the patrons of the sacrifice, the normal part of the

king. We come nearer to contact with fact in the concurrent stories of the Upanishads which show kings like Janaka of Videha, Açvapati king of the Kekayas in the Punjab, Ajātaçatru of Kāçi, and Pravāhaṇa Jaivali of Pañchāla disputing with and instructing Brāhmans in the lore of the *brahman*, the unity which is the reality of the world. Very possibly this attribution is mainly due to considerations of the advantage of conciliating the kings who were the patrons of the new philosophy; but, in any case, there is no reason to deny that kings could and did take interest in intellectual movements, and we cannot from such facts infer that there was any possibility of interchange of caste: we cannot say that, if a king became a seer, as the Jaiminīya Upanishad Brāhmaṇa asserts in one case, it really meant that he was regarded as ceasing to belong to the kingly caste, any more than we can say that, if a priest became king, as was not unknown later at least, he thereby suffered any loss of his priestly position. One case of interest remains, that of Satyakāma Jābāla who was accepted as a pupil by a distinguished priest because he showed promise, although all he could tell of his ancestry was that he was the son of a slave girl; but, evidently, his father might have been a Brāhman, and the case is only of value as negativing the idea of any unnatural rigidity of institutions in the Vedic age. The history of later India shows how rigid distinctions might be in theory but how ingeniously they might in practice be evaded in the individual case. What is more significant, perhaps, is that there is no instance recorded in the Vedic texts of a Vaiçya rising to the rank of priest or a prince: the two upper hereditary classes might to some degree permit closer relations, but they seem to have regarded the commoner as definitely beneath them.

The relations of the four great classes of castes are summed up from the point of view of the Brāhman in a passage of the Aitareya Brāhmaṇa[1]. In that passage the Kshatriya is taken as the norm, and the other castes are defined according to the relations which they bear to him.

The Brāhman is 'a receiver of gifts, a drinker of the Soma, a seeker of food, and liable to removal at will.' We can distinguish in this period two classes of Brāhmans, the priests who, as Purohitas of the king or belonging to his *entourage*, took part in the vast sacrifices, some of them lasting for at least a year, which they offered for their masters, and the priests of the village who lived a humble and more restricted existence, except when they might

[1] *Vedic Index*, vol. II, p. 255.

be called on to serve at the sacrifice instituted by some rich noble or merchant. In both cases the priest was, in the long run, at the mercy of the political power of the king. To the spiritual claims of the Brāhmans, so proudly asserted at the ceremony of the royal consecration, when the king is announced to the people as their king but it is added that the Soma is the king of the Brāhmans, must be opposed the practical power of the king.

The Vaiçya is described as 'tributary to another, to be lived on by another, and to be oppressed at will.' From the point of view of the Kshatriya this indicates the fact that the exactions of the king from the commoners of the tribe were limited only by practical considerations of expediency: the commoner had no legal right to his landholding or to his private property if the king decided to take them from him; and, if he was allowed to retain them, he paid for them in tribute and in the duty of supporting others. This refers, no doubt, to the king's privilege of assigning to his nobles the right to receive food from the common people, and thus of making provision for the maintenance of the nobility, who assisted him in the protection of the country, and in the administration and the conduct of justice. By this means the nobles came more and more to occupy the position of landholders under the king, while the Vaiçyas approximated to the position of tenants. Moreover, the nobles may well have received from the king, as a result of successful onslaughts on the aborigines, grants of conquered lands and slaves, which they would hold in full proprietorship, subject to the political authority of the king. Among the Vaiçyas, again, distinctions were growing up: that originally the agriculture was carried on by Āryan tillers is certain; but, in the period of the Brāhmaṇas, the position was changing gradually; and, for the peasant working on his own fields, was being substituted the landowner cultivating his estate by means of slaves, or the merchant carrying on his trade by the same instrumentality, though we cannot with any certainty say how far this process was proceeding. The industrial workers, like the chariot makers, the smiths, the tanners, the carpenters, were sinking in estimation and forming distinct castes of their own.

On the other hand, the Çūdra was approximating more and more to the position to which the humbler freeman was being reduced. In the passage referred to, he is still described as 'the servant of another, to be expelled at will and to be slain at will'; but in the Sūtras we find that, while the Vaiçya has a wergeld of 100 cows, the Çūdra has a wergeld of 10 cows; and, even if we

assume that this is merely for the benefit of his master—which is very doubtful—still unquestionably the growing complication of the social scheme was abolishing the relation of simple slavery. Slaves proper there were, as we see in the Buddhist texts; but, where whole tribes were reduced to subjection, the tendency must have been to assign villages and their inhabitants to the king and to the nobles, sometimes, perhaps, also, though in a less degree, to the commoners who at this period must still have formed the bulk of the army. While some of the aboriginal inhabitants would thus become slaves pure and simple, the rest would rather stand in the relationship of serfs; and, as we have seen, there is reason to suppose that in many cases the true Vaiçyas also were approximating to the position of tenants of the nobles. There is an interesting parallel in the early history of England, where the ordinary freeman gradually fell into feudal dependence on his superiors, while the slave as gradually acquired the position of a serf, and became more and more assimilated to the position to which the freeman had sunk.

This ambiguous position of the Çūdra is amply recognised in the Vedic texts: on the one hand, he is emphatically regarded as being impure and not fit to take part in the sacrifice: after consecration, in some cases, the mere speaking to a Çūdra is absolutely forbidden. He was not allowed even to milk the cow for the milk needed for the offering to Agni. In the Vājasaneyi Saṃhitā illicit connexions between Āryan and Çūdra are severely reprobated; but, in other places, sin against Ārya and Çūdra is referred to, prayers are uttered for the glory of Ārya and Çūdra, and we learn of rich Çūdras. The Sūtras, while they emphasise many points not attested by the Brāhmaṇa texts, such as the danger of sitting near Çūdras, their exclusion from the study of the Veda, and the prohibition of eating food touched by them, yet recognise that they may be merchants or indeed exercise any trade.

It seems probable enough that among the Çūdras themselves there were rules of endogamy; for we may generally assume, in the absence of anything to the contrary in the texts, that the Vedic Indians and the aborigines alike married within the tribe. The Çūdras seem often to have been subjugated by whole tribes, such as the Baindas, the Parṇakas, the Paulkasas, and perhaps the Chaṇḍālas, who may originally have been members of small and degraded tribes living mainly by fishing or hunting: such tribes have survived in the Central Provinces and near the Himalāyas until the present day, and they must have been much more

numerous in the first millennium B.C. Thus from below as well as from above, from the practices of the conquered aborigines as well as from the class prejudices of the Āryans, may have come the impulse to the development of caste.

From the political point of view the chief characteristic of the new order was the growth in the power of the king. We must not assume that, even in this period, there were great kingdoms. It is true that the horse-sacrifice as reported in the Çatapatha Brāhmaṇa and in the royal consecration of the Aitareya Brāhmaṇa, both of which passages are late, presuppose that the kings who performed it set up claims to imperial dignity, and that they had won the proud title of 'conquerors of the whole earth,' which is applied to them. But real conquest seems not to have been meant; and, though the evidence above given proves that there was considerable amalgamation of tribes and the formation of larger kingdoms than those in the period of the Rigveda, yet it is significant that even the Kuru-Pañchālas, and still less the Kosala-Videhas, never amalgamated into single kingdoms. We may, however, safely hold that the king now ruled in many cases a much larger realm than the princes of the Rigveda. The hereditary character of the monarchy is clearly apparent: in one case, that of the Sṛiñjayas, we hear expressly of a monarchy which had lasted ten generations. The term Rājaputra, 'son of a king,' is now found together with the older Rājanya, which probably covers the nobles as well as the king and his family. The importance of the kingly rank is emphasised by the elaborate rite of the royal consecration, the Rājasūya. The king is clad in the ceremonial garments of his rank, is formally anointed by the priest, steps on a tiger skin to attain the power of the tiger, takes part in a mimic cattle raid, assumes the bow and arrow, and steps as a conqueror to each of the four quarters, an action paralleled in the coronation of the Hungarian king. A game of dice is played in which he is made the victor. A list of kings who were thus consecrated is given in the Aitareya Brāhmaṇa: in all but details it coincides with the list given in the Çatapatha Brāhmaṇa of those who performed the horse-sacrifice.

At the royal consecration the *entourage* of the king played an important part. The list of Ratnins, 'jewels,' given by the Taittirīya texts, consists of the Brāhman, i.e. the Purohita, the Rājanya, the Mahishī, the first wife of the four allowed to the king by custom, the Vāvātā, 'favourite wife,' the Parivṛiktī, 'discarded wife,' the Sūta, 'charioteer,' the Senānī, 'commander of the army,'

the Grāmaṇī, 'village headman,' the Kshattṛi, 'chamberlain,' the Saṃgrahītṛi, 'charioteer' or 'treasurer,' the Bhāgadugha, 'collector of taxes' or 'divider of food,' and the Akshāvāpa, 'superintendent of dicing' or 'thrower of dice.' The Çatapatha Brāhmaṇa has also the 'huntsman' and the 'courier,' while the Maitrāyaṇī Saṃhitā adds the Takshan, 'carpenter,' and Rathakāra, 'chariot-maker.' In an older list of eight Vīras, 'heroes,' given in the Pañchaviṃça Brāhmaṇa are found the brother, son, Purohita, Mahishī, Sūta, Grāmaṇī, Kshattṛi, and Saṃgrahītṛi. We are faced, in the interpretation of the names of several of these officers, with the doubt whether we are to recognise in them merely courtiers or public functionaries. The Sūta is according to native tradition the 'charioteer'; but it seems much more probable that he was at once a herald and a minstrel, and to this conclusion the inviolability, which in one passage is attributed to him, clearly points. The Grāmaṇī has already been met with as a military official in the period of the Rigveda. Probably at this epoch a Grāmaṇī was, both for civil and military purposes, at the head of each village, owing, it may be conjectured, his position to the king, while the Grāmaṇī *par excellence* presided over the city or village where the royal court was situated. It is also far from unlikely, despite the silence of the texts, that the civil functions of the Grāmaṇī were the more important; for the post is emphatically declared in several places to represent the summit of the ambition of the Vaiçya. If later analogy is to help us, we may conjecture that the Grāmaṇī formed the channel through which the royal control was exercised and the royal dues received. It may well be then that the household officers, besides their more primitive functions, carried out the important duties of receiving and disbursing the revenues which the king thus obtained; and on them must have fallen the duty of seeing that the supplies, which the Vaiçyas were required to provide for the maintenance of the king's household, were duly forthcoming. The condition of these officers is indeed probably to be compared with that of the household of the early English and Norman kings.

An officer, not included in the list of the Ratnins but often mentioned in the texts of the period, was the Sthapati; and we learn that it was the Sthapati of Dushṭarītu who restored him to the kingdom of the Sṛiñjayas after he had been expelled thence by his subjects. He may have been a governor of part of the kingdom; but the more likely interpretation of the term is 'chief judge,' an official who doubtless combined executive as well as

judicial functions. Later however in the Sūtras we hear of a Nishāda-Sthapati which may mean a 'governor of Nishādas, apparently the ruler of some outlying aboriginal tribes, who had been reduced to subjection and placed under the royal control.

Of the actual functions of the king we hear little detail. He still led in war—the Kuru-Pañchāla princes sallied forth to raid in the dewy season and returned in the hot weather as a matter of course—but the Senānī appears as leader in charge under him. From the Sūtras and from a stray reference in the Çatapatha Brāhmaṇa, he seems to have taken a very active part in the administration of the criminal law. There can be no doubt that he controlled the land of the tribe. It is not, however, necessary to ascribe to this period the conception of the royal ownership of all the land, though it appears in the Greek sources from the time of Megasthenes downwards, and is evidenced later by the law-books of the time. He had, it is true, the right to expel a Brāhman or a Vaiçya at will, though we do not know expressly that he could do this in the case of a Kshatriya. But these considerations point to political superiority rather than to ownership proper; and we may assume that, when he gave grants of land to his retainers, he granted not ownership but privileges such as the right to receive dues and maintenance from the cultivators. There is a clear distinction between this action and the conferring of ownership; and it may be doubted if the actual gift of land was approved in this epoch: the only case of which we hear is one reported in the Çatapatha and the Aitareya Brāhmaṇas, in which the king Viçvakarman Bhauvana gave land to the priests who sacrificed for him, but the Earth itself rebuked his action. It is more probable that, at this time, the allotment of land was determined by the king or the noble to whom he had granted rights of superiority according to customary law, and that gifts not in accordance with this law were disapproved. It is hardly necessary to point out the close similarity between such a state of affairs and that existing at the present day in parts of West Africa, where kings have introduced for purposes of personal gain the practice of dealing as absolute owners with lands, which, according to the strict system of tribal law, they had no power to allocate save in accordance with the custom of the tribe. Nor is it inconsistent with this view that the king had an arbitrary power of removing a subject from his land. That power flowed from his sovereignty, and though disapproved was acquiesced in, we may presume, just as in West Africa; while the dealing of kings with the land by way of absolute

ownership was regarded as a complete breach of the tribal law, the actual removal from his land of any individual was recognised as a royal prerogative, even if the power were misused.

In curious contrast with the comparative wealth of information regarding the king, is the silence of our texts on the assembly of the people. The *samiti* or the *sabhā* is not rarely mentioned in these texts; and we cannot assume that the assembly had lost its power, though it may have diminished in importance. Even this, however, we cannot absolutely assert; for we hear so often of expelled kings that we must believe that the people were far from obedient to a yoke which rested on them too heavily. But there must have been in the extension of the realm a tendency to diminish the possibility of frequent meetings of the *samiti*, and accordingly some diminution in its control over the state. At any rate, there are indications, if no conclusive proof, that there was growing up within the members of the *sabhā* a distinction between those who attended only at the great meetings and the *sabhāsads*, or 'assessors,' who attended regularly; and it may be that for judicial purposes the activity of the *sabhā* was entrusted to a smaller number, the Homeric *gerontes*, unless indeed we are to trace judicial functions to an origin in voluntary arbitration[1].

On judicial matters we learn but little more than in the preceding period. Serious crimes like killing an embryo, the murder of a Brāhman, and the murder of a man occur in lists of sins together with minor defects, such as the possession of bad nails. Other more serious crimes mentioned are stealing gold and drinking the *surā*, while treachery to the king is recognised as a capital offence. There are traces of a growing sense of justice in the discussions which are recorded in the case of the accidental death of a boy through the carelessness of the king and the Purohita, who were driving in a chariot. But the procedure in cases of crime is still quite uncertain: the king may have presided and the tribe or the assessors may have judged; but for this result we can rely only on the fact that the king is said to wield the rod of justice, and that in the case of the accidental death of the boy the matter is stated to have been referred to the Ikshvākus who decided that an expiation was due. In the case of theft in the Chhāndogya Upanishad we find the axe ordeal applied, apparently under the

[1] Bonner (*Classical Philology*, vol. VI, pp. 12–36) finds in Homer no criminal law, except in the form of the punishment by the whole people of an offender whose wrongdoings involved the whole people in danger of reprisals; the function of the king or gerontes he traces in civil cases to voluntary arbitration. It is of interest that Homer (p. 32) knows nothing of witnesses; the Vedic texts likewise seem to ignore them.

direction of the king; but this is the solitary case of an ordeal known in Vedic literature as a part of criminal procedure. In the Sūtras we hear of the king with his own hand striking a confessed thief. On the other hand, beside the public organisation of criminal justice, there was still the system of private vengeance tempered by the wergeld. The Sūtras fix the wergeld of the Kshatriya at 1000 cows, of the Vaiçya at 100, and of the Çūdra at 10, with a bull over and above for the king, according to the text of Baudhāyana. This seems to indicate a stage when the royal power had extended sufficiently to secure that the wergeld should be accepted, and that the insult to the royal peace required the appeasement of the king and his reward for his intervention by the gift of a bull. The lower position of women is shown by one text which assigns in her case only the same wergeld as for a Çūdra. Unhappily, the texts are so vague that we cannot be certain whether the payment in the case of a Çūdra was always required or whether he might be slain with impunity by his master, as the term 'to be slain at pleasure' applied to him in the Aitareya Brāhmaṇa suggests.

We have also very little information regarding civil law. The use of an ordeal in this connexion is attested only by the case of Vatsa who proved his purity of descent, which was assailed, by walking unharmed through fire. Presumably, civil cases might be decided by the king with assessors; but this view rests only on the analogy of other peoples and on the later practice in India itself. We know for certain that a Brāhman had preference in his law cases; but whether because it was a moral duty of the witnesses to bear testimony in his favour, or for the judges to give judgment for him, cannot be decided from the passage of the Taittirīya Saṃhitā which records the preference. As regards the substance of the law we learn the outlines of the law of succession: a father might in his lifetime divide his property among his sons, in which case he seems to have had a free hand as to their shares: if he grew old and helpless, they themselves might divide it, while in the division among the sons on his death the older son received the larger share. Women were excluded from the inheritance. Similarly, a woman had no property of her own: if her husband died, she passed to his family with the inheritance like the Attic *epiklēros*. Her earnings, if any, were the property of husband or father. The Çūdra seems in law to have been also without capacity of owning property in his own right. As in the period of the Rigveda, there is no evidence of joint family ownership of any

property, even in the case of land, though, as we have seen, land at this epoch was not considered a suitable form of gift. There is a clear reference on the other hand to the allotment of land by the Kshatriya, presumably in accordance with the customary law. There is no trace of the development of the law of contract: much work was doubtless done by slaves or by hereditary craftsmen who received customary remuneration from the villagers, not payment for each piece of work.

On the whole, there seems to have been some decline in this period in the position of women: as has been seen, in one of the Sūtra texts her wergeld is assimilated to that of a Çūdra and her lack of proprietary power must have tended to decrease her prestige. The polygamy of the kings is now fully established; and, presumably, the practice of the sovereigns was followed by the richer of their subjects. In a number of passages in the Brāhmaṇas it has been sought to find proof that female morality was not highly estimated; but this cannot be established; and it is a mistake to suppose that the exposure of female children was practised. On the other hand, the preference for sons becomes more and more pronounced: 'a daughter is a source of misery, a son a light in the highest heaven.' Generally speaking, the increased complexity of society seems to have been accompanied by an increase of crime and moral laxity, as appears from the curious litany in the Yajurvedas where Rudra is hailed as the protector of every kind of thief and ruffian.

In agriculture and pastoral pursuits progress was doubtless made. The plough was large and heavy: we hear of as many as twenty-four oxen being harnessed to one: it had a sharp point and a smoothed handle. In addition to irrigation, which was known in the Rigveda, the use of manure is referred to several times. In place of the indeterminate *yava* of the Rigveda many kinds of grain are mentioned, and *yava* is restricted, in all probability, to the sense 'barley.' Among those names are wheat, beans, corn, sesamum from which oil was extracted, *Panicum miliaceum*, *frumentaceum*, and *italicum*, *Wrightia antidysenterica*, *Dolichos uniflorus*, *Ervum hirsutum*, *Coix barbata*, and various others. Rice, both domesticated and wild, was much used. The seasons of the different grains are briefly summed up in the Taittirīya Saṃhitā: barley, sown no doubt, as at present, in winter, ripened in summer: rice, sown in the rains, ripened in autumn: beans and sesamum, planted in the time of the summer rains, ripened in the winter and the cold season. There were two seasons of harvest

according to the same authority; and another text tells us that the winter crops were ready in March. The farmer had, as now constant troubles to contend with: moles destroyed the seed birds and other creatures injured the young shoots; and both drought and excessive rain were to be feared: the Atharvaveda provides us with a considerable number of spells to avoid blight and secure a good harvest. Cucumbers are alluded to, perhaps as cultivated; but there is no certain reference to tree culture, though frequent mention is made of the great Indian trees like the Açvattha, the *Ficus religiosa*, and the Nyagrodha, the *Ficus indica*, and the different forms of the jujube are specially named.

Even more striking is the great development of industrial life and the sub-division of occupations. The list of victims at the symbolical human sacrifice of the later texts of the Yajurveda provides us with a large variety of such occupations; and, after making all allowances, it is impossible to doubt that the lists represent a good deal of fact. We hear of hunters, of several classes of fishermen, of attendants on cattle, of fire-rangers, of ploughers, of charioteers, of several classes of attendants, of makers of jewels, basket-makers, washermen, rope-makers, dyers, chariot-makers, barbers, weavers, slaughterers, workers in gold, cooks, sellers of dried fish, makers of bows, gatherers of wood, doorkeepers, smelters, footmen, messengers, carvers and seasoners of food, potters, smiths and so forth. Professional acrobats are recorded, and players on drums and flutes. Beside the boatman appears the oarsman, and the poleman; but there is still no hint of sea-borne commerce or of more than river navigation, though we need not suppose that the sea was unknown, at least by hearsay, to the end of the period. There is a trace of police officials in the Ugras who occur in one passage of the Bṛihadāraṇyaka Upanishad; and a Grāmyavādin or village judge appears to have held a court for petty cases in the village. Among the priests themselves, we find the sub-division of Chhandogas, the singers of Sāmans, while the Charakas were wandering students, a special branch of whom are said to have founded the schools of the Black Yajurveda. Moreover, in accordance with the tendency to sub-divide and formulate, the life of the priest is now more rigidly regulated: he must pass as a preliminary through the apprenticeship of being a Brahmachārin. In this stage he is taught by a master, for whom in return he does all the necessary work of the day and for whom he begs or otherwise provides food. Two important features of later village life in India appear in the forms of the astrologer and the barber. Of women's work we learn of

e dyer, the embroiderer, the worker in thorns, and the basket-
aker. The merchant is often mentioned, and the usurer has
special name: it is of interest that the term Çreshṭhin several
nes occurs, denoting at least a wealthy merchant, and possibly
eady the word has its later technical sense of the head of a
erchant gild.

The advance of civilisation is seen also in the more extended
owledge of the metals: as compared with the gold and the *ayas*,
doubtful meaning, of the Rigveda, this period knows tin, lead,
d silver of which ornamented bowls are made, while *ayas* is
fferentiated as red *ayas*, presumably copper, and dark or black
as, which must be iron. Another sign of the new era is the definite
ferences to the keeping of tame elephants, the guarding of elephants
ing one of the occupations occurring in the Yajurveda texts. But
ere is no hint that the elephant was yet used for war as it was
eady in the time of Ctesias. The use of horses for riding had
rtainly become more common; but no clear reference is made to
e employment of cavalry in war, though that was usual by the
ne of Alexander's invasion.

Little change can be traced in the social life of the time. The
e of houses of wood continued; and, as a result, we have not
single relic remaining of the architecture of the period. Nor
ve we any coins: it is not probable, indeed, that a regular
inage had begun, though the path to this development was
eady opened by the use of the *kṛishṇala*, the berry of the *Abrus*
ecatorius, as a unit of weight. We hear in the Brāhmaṇas of
e *çatamāna*, a piece of gold in weight equivalent to a hundred
ishṇalas, and such pieces of gold were clearly more or less
uivalent to currency and must have been used freely by the
erchants, of whose activities we hear so little in the sacred texts.
e *nishka*, originally a gold ornament, was also at this time a unit
value; and the cow as a unit was probably in course of super-
ssion. The style of clothing seems to have continued unchanged,
ough we hear more of the details: among other things we are
ld of woollen garments, robes dyed with saffron, and silk raiment.
e food of the Indian remained unaltered: the eating of meat
indeed, here and there censured, as for instance in a hymn of
e Atharvaveda where meat eating is classed with the drinking of
e *surā* as a sinful act, and meat might be avoided like other
ings by one who was keeping a vow. But it was still the custom
slay a great ox or goat for the entertainment of a guest, and
e great sage Yājñavalkya ate meat of milch cows and oxen,

provided that the flesh was *aṃsala,* a word of doubtful import, rendered either 'firm' or 'tender' by various authorities. The doctrine of *ahiṃsā,* which forbids the doing of injury to any animal, was indeed only in embryo in this period, and was not fully developed until the growth of the belief in transmigration came to strengthen the philosophic tenets of the Brāhmaṇas as to the unity of all existence. The amusements of the day were, as in the period of the Rigveda, the chariot race, dicing, of which we have several elaborate but not very clear accounts, and dancing. The term Çailūsha appears in the list of victims at the human sacrifice, and the sense 'actor' has been seen in it. Taken in conjunction with the dozen or so of hymns which show a dialogue form it has been supposed to indicate that the Rigveda knew of a ritual drama, the direct precursor of the drama of later India. But the evidence adduced is insufficient to bear the strain of the hypothesis[1].

In one respect there seems to have been a distinct retrogression since the age of the Rigveda. In that Saṃhitā there is frequent mention of the physician's skill, and wonderful deeds are ascribed to the Açvins as healers of diseases. As early as the Yajurveda Saṃhitās, however, the physician appears to be held in less esteem: the Açvins were said to have made themselves inferior to the other gods by their practice of medicine, by which they made themselves too familiar with all sorts of people. The Atharvaveda contains much which gives a sad picture of the medical practice of the day: against the numerous diseases which it mentions it had nothing better to oppose than the use of herbs and water accompanied by strange spells, based on sympathetic magic. The number of diseases recorded by differing names is large: the most frequent was fever, no doubt the malaria which still haunts India; and others mentioned are consumption, haemorrhoids, abscesses, scrofula, dysentery, boils, swellings, tumours on the neck, convulsions, ulcers, scab, rheumatism, tearing pains, headache, leprosy, jaundice, cramp, senility, and others less easy to identify. Various eye diseases were known; and the use of a sand bag to stop bleeding is recorded. The dissection of the animal victims at the sacrifices gave the opportunity to acquire knowledge of the bones of the body[2], but on the whole the facts recorded, especially in the Atharvaveda and the Çatapatha Brāhmaṇa, give us no very elevated opinion of the accuracy of the Vedic physician in this regard.

[1] See von Schroeder, *Mysterium und Mimus im Rigveda*, Leipzig, 1908; Hertel, *V.O.J.*, vol. XVIII, pp. 59 sq., 137 sq., XXIII, 273 sq., XXIV, 117 sq.; Winternitz, *V.O.J.*, vol. XXIII, pp. 102 sq.; Keith, *J.R.A.S.*, 1911, pp. 979–1009.

[2] See Hoernle, *Osteology*, Oxford, 1907.

)n the other hand, a distinct advance was unquestionably made ;gard to astronomical knowledge. The Rigveda knows only, so is we can see, the year of 360 days divided into twelve months hirty days each, which is six days longer than the synodic lunar , and nearly five and a quarter days too short for the solar . To bring the year into something like order, intercalation is to have been attempted quite early: we hear in a riddle hymn ie Rigveda (I, 164) of the intercalary month, the thirteenth. In Saṃhitās the system is slightly more developed; and possibly e efforts were being made to arrange intercalation in a cycle ive years in such a manner that the years and the seasons ld be made to coincide; but it is fairly clear that a satisfactory nod had not yet been obtained. The Saṃhitās, however, give he names of the twelve months arranged very artificially in six ons, and they introduce to us the important doctrine of the shatras, or 'lunar mansions,' groups of stars selected as roughly :ating the parts of the sky in which the moon appeared in the se of a periodic month of 27–28 days. In the Rigveda the ı Nakshatra seems usually to mean no more than 'star'; and only in the admittedly late marriage hymn (x, 85) that the es of two of the Nakshatras proper are found though in ·ed forms. The number of the Nakshatras is variously given as ıty-seven in the Taittirīya Saṃhitā and the Kāṭhaka lists and ılly later, and as twenty-eight in the lists of the Maitrāyaṇī hitā and the Atharvaveda. As the periodic month has between ınd 28 days, the variation may be primitive: of the allied :ms the Chinese Sieou and the Arabic Manāzil have twenty-t: the missing star Abhijit in the smaller enumeration may · fallen out for a variety of causes; and it seems easier to me this than to regard it as a later addition. The use of the shatras offered a simple and effective means of fixing dates by conjunction of the new or full moon with a particular Na-ıtra, and in the Brāhmaṇa period a further step was taken: ome arbitrary basis which we cannot now determine, twelve of Nakshatra names in adjectival form were chosen to represent months. It might have been expected that the months repre-ed by these names would be lunar, but they are, as a matter 'act, the twelve months of the traditional year of 360 days. whole series of the new names is not found until the Sūtra od; but the vitality of the new system is adequately proved by fact that the old series of twelve given in the Saṃhitās correspond-to the six seasons is practically ignored in the later literature.

The origin of the Nakshatras has formed the subject of most lively controversy: it is clear that the Vedic Indians knew very little about astronomy, for it is extremely doubtful whether the planets were known at all in the Brāhmaṇa period. But it is not impossible that, even at this epoch, the Nakshatras could have been discovered, for the achievement is a rude one. The question is, however, complicated by the existence of the Arabian Manāzil and the Chinese Sieou. The Manāzil are better chosen as lunar mansions than the Indian Nakshatras: borrowing on the part of India from Arabia cannot be proved in view of the late date of the Arabian evidence, while the superiority of the Arabian system seems to make it improbable that it should have been derived from India. The Chinese evidence is early enough to allow of borrowing; and the dependence of India on China has been maintained by Biot and de Saussure; but the difficulties in the way of this view are really insuperable. It remains therefore as the most plausible view that the Nakshatras are derived from Babylon, though direct proof of the existence of the Nakshatras there has yet to be discovered.

Compared with the case of the Nakshatras there is little other evidence of the contact of India with other civilisations in this period. In the Çatapatha Brāhmaṇa for the first time there appears the legend of the flood and the saving of Manu by a great fish; and it is most unlikely that we are to see here any reminiscence of the former Āryan home and the crossing of the Hindu Kush[1]. It is therefore possible that the legend may be of Semitic origin; but, if so, as usual the Indians have completely appropriated the motive, so that the borrowing cannot be proved. It has been suggested[2] that the knowledge of iron was derived from Babylon; but this is merely a conjecture which has at present no support in evidence. A sea-borne commerce with Babylon cannot be proved for this epoch either by the evidence of Vedic literature or by the references in the Book of Kings to apes and peacocks by names which are believed to have had an Indian origin. The history of the alphabet has been used by Bühler[3] to

[1] This is held by Weber, *Indische Studien*, vol. I, pp. 163 sq.; see Muir, *Original Sanskrit Texts*, vol. II², p. 323.

[2] See Vincent Smith, *Indian Antiquary*, vol. XXXIV, p. 229; *Imperial Gazetteer*, vol. II, p. 98.

[3] *Indische Palaeographie*, pp. 17 sq. Bühler relied on references to sea trade in the Sūtras (Baudhāyana, I, 2, 4; II, 2, 2; Gautama, X, 33) and in the Jātakas and believed these to be authorities for the sixth century B.C.; see *Indian Studies*, no. III, pp. 15 sq. But neither Sūtras nor Jātakas can be relied on for information regarding so early a date.

hat it was borrowed by traders from a South Semitic source
esopotamia about 800 B.C.; but we cannot lay any stress
his date. It seems, indeed, most probable that writing was
iced by traders and that it was only gradually adopted into
per form for the expression of the Sanskrit language. At
ate this took place is not really susceptible of proof: there
ertain reference to writing in the literature of a date earlier
ie fourth century B.C.; and the real development of writing
s in all likelihood to the fifth century B.C. It was the end
sixth century that saw the invasion of Darius and the
ition of the territory round the Indus; and, prior to that
there is no strong evidence of a really active contact between
and the outer world. It is, indeed, probable enough that
efore the time of Darius, Cyrus had relations with the tribes
right bank of the Indus, and Arrian asserts that the
noi and the Astakenoi were subject to the Assyrian kings[1];
verything points to the fact that, in the period of the
anas, relations with the Gandhāras and other tribes in the
north-west were very slight. It is also significant that
s no really certain case of an inscription of any sort in India
the third century B.C.[2]

development in religion and philosophy in the period is
able. The ritual has grown to very large proportions; and
he ritual the number of the priests required at a sacrifice
creased until sixteen or seventeen are enumerated as taking
n the more important offerings. The mere offerings of
ble food and milk are comparatively unimportant; but the
sacrifice is increasingly elaborated, and the Soma sacrifice
veloped largely. In addition to the simplest form of the
sacrifice occupying one day, there are innumerable other
culminating in the Sattras which might last any time from
days to a year or years. It is significant that, at the bottom
priestly elaboration, is much really popular religion. Thus
ijasūya, or royal consecration, is fundamentally a popular
r the anointing of the king: the Vājapeya betrays a popular
in the prominence in it of a chariot race, once probably the
element; the Gavāmayana, a Sattra lasting a year, is dis-
shed by the ritual of the Mahāvrata day in which long since
ecognised a primitive performance celebrating the winter

[1] Duff, *Chronology of India*, p. 5; Arrian, *Indica*, I, 3 (trans. M'Crindle,

ncent Smith, *Early History of India*[3], p. 16.

solstice. The horse-sacrifice is at bottom the elaboration of a simple rite of sympathetic magic; but it has been so elaborated as to combine everything which could make an appeal to the warrior Indian king and induce him to distribute abundant largesse on the celebrators. But beside these and other popular festivals, which the priests have worked over, stands one of the highest interest to the priest, which seems to reflect a new conception of theology. It is the building of the altar for the sacred fire; in one sense no doubt this was an ancient and simple rite, accompanied as so often by the slaying of a man in order to secure the abiding character of the structure: the Brāhmaṇa texts avoid requiring any such actual slaughter, though they record it as a deed of the past; but they elaborate the building out of all reason and utility. The only explanation of this action must be that offered by Eggeling[1], that, in the building up of the fire altar, the Brāhmans sought to symbolise the constitution of the unity of the universe. As we have seen, in the Purusha hymn of the Rigveda occurs the conception of the creation of the universe from the Purusha, and in the theology of the Brāhmaṇas the Purusha is identified with Prajāpati, 'lord of creatures,' and the sacrifice is conceived as constantly recurring in order to maintain the existence of the universe. To render this possible is the end of the fire altar, the building of which is the reconstruction of the universe in the shape of Prajāpati. Prajāpati, again, is identified with Agni, the fire of the altar, and both Prajāpati and Agni are the divine counterparts of the human sacrificer. But Prajāpati is himself Time, and Time is in the long run death, so that the sacrificer himself becomes death, and by that act rises superior to death, and is for ever removed from the world of illusion and trouble to the world of everlasting bliss. In this the true nature of Prajāpati and of the sacrificer is revealed as intelligence, and the Çatapatha Brāhmaṇa urges the seeker for truth to meditate upon the self, made up of intelligence and endowed with a body of spirit, a form of light and an ethereal nature.

The same doctrine appears in another form in the Upanishads which are engaged with the discussion of the underlying reality. They agree in this that all reality in the ultimate issue must be reduced to one, called variously *brahman*, 'the holy power,' or *ātman*, 'the self.' Moreover, the Upanishads agree in regarding the absolute to be unknowable, and though they ascribe to it intelligence they deprive that term of meaning by emptying it of

[1] See *Sacred Books of the East*, vol. XLIII, pp. xiv–xxiv.

all thought. If the real is the absolute alone, the existence of the appearance of this world must be explained; but naturally enough the Upanishads do not successfully attempt this task; and it was not until the time of Çaṅkarāchārya in the beginning of the ninth century A.D. that it was found possible to reconcile the doctrines of the different texts by the view that all existence is merely illusion. This is perhaps a logical development of the doctrine of the Upanishads; but the Upanishads were groping after truth and did not attempt to deduce all the consequences of their guesses at the nature of reality.

There was one consequence which followed so clearly from the new conception of existence that it is enunciated, though not very decidedly, in the Bṛihadāraṇyaka Upanishad, namely that there was no consciousness after death in the case of him who realised the true nature of the self as intelligence without thought. But this conception plays a very small part in the texts compared with the new theory of transmigration. There is no real sign of this doctrine in the Brāhmaṇas proper, but there is a certain amount of preparation for its appearance in the gradual development of the doctrine that not even after death is the horror of death ended: a man may die repeated deaths in the next world. If this conception be transferred to the present world, then the doctrine of transmigration is produced, and in the Upanishads this doctrine is clearly and expressly enunciated. The Chhāndogya and Bṛihadāraṇyaka agree in the main outlines of the new belief: the forest ascetic who has realised the nature of *brahman* after death goes by the way of the gods to be absorbed in *brahman* and never again to be born: the man who has done good deeds but has not attained the saving knowledge goes to the world of the moon to reside there until the fruit of his deeds is exhausted, when he is born again first as a plant and then as man or at once as a man: the wicked on the contrary are born as outcasts, dogs, or swine, according to the Chhāndogya, as birds, beasts, and reptiles according to the Bṛihadāraṇyaka. There is a variant version on the Kaushītaki which makes all first go to the moon; but the essential point is the acceptance as a matter of certainty of the new doctrine of transmigration. The Bṛihadāraṇyaka also has an important addition to the doctrine in the form of the gospel of *karman* 'action,' which determines on a man's death the nature of his next birth. In the Buddhist view the idea recurs in the simple form that the self, which is recognised as persisting through transmigration by the Brāhman, is discarded as needless and the *karman* alone is asserted to possess reality.

The origin of this doctrine may have been helped by the widely prevalent view among tribes of animists that the souls on death or even in life can pass into other forms, animal or vegetable. We have seen that in the Rigveda in one hymn the soul is regarded as going to the waters or the plants; and we have no reason to doubt that such ideas were prevalent among the aboriginal tribes with which the Āryans mixed. But these vague ideas are totally inadequate to account for the belief in transmigration, and the theory must, it would seem, have been a discovery of the schools of seekers after the nature of truth, who arrived at it on the one side from the popular beliefs of the peoples among whom they lived, and on the other from the conception of the Brāhmaṇas that death could be repeated in the other world. The doctrine led directly to pessimism, but the Upanishads are not themselves pessimistic; and we obtain thus a valuable evidence of their priority to the rise of Buddhism, which is saturated with the doctrine of the misery of the universe. The extraordinary success of the doctrine shows that it was in harmony with the spirit of the Indian people, and suggests what is otherwise probable, that by the end of the period of the Brāhmaṇas the influence of the Āryan strain was waning, and that the true Indian character of the intellectual classes was definitely formed.

As we have already seen, the tradition makes kings take part in the discussions which marked the formation of the doctrine of the absolute, and even hints that the doctrine was in some way a special tenet of the ruling class; but it is doubtful if we can accord full credit to this tradition, or believe that the *brahman* doctrine was the reaction of the noble class against the excessive devotion of the priests to the ritual[1]. Policy adequately explains the part assigned to them by the Brāhmans, whose aim it was to make their patrons appreciate that their researches were such as to deserve support. Parallel with the development of philosophy there was proceeding the movement which leads to the religions of modern India, the exaltation of Rudra and in a minor degree of Vishṇu to the position of a great god. Prajāpati is indeed the main subject of the theosophical speculation of the Brāhmaṇa texts, a purpose to which his name as 'lord of creatures' especially lent itself; but Prajāpati had no claims to be a god of the people, and the position

[1] The tradition is accepted by Garbe, *Beiträge zur indischen Kulturgeschichte*, pp. 1 sq.; Deussen, *Philosophy of the Upanishads*, pp. 17 sq.; Rhys Davids, *Buddhist India*, pp. 256-7. See also Chapter XI, pp. 264-5. Its validity is doubted by Bloomfield, *Religion of the Veda*, pp. 218 sq.; Oldenberg, *Buddha*[5], p. 73; Keith, *J.R.A.S.*, 1906, pp. 868-72.

of Rudra as a popular deity is sufficiently shown by the litanies to him in the Saṃhitās of the Yajurveda, and by the whole outlook of such texts as the Aitareya, Kaushītaki, and Çatapatha Brāhmaṇas. When Prajāpati committed incest with his daughter, the Aitareya tells us that the gods were wroth, and from their most dread forms produced the god Bhūtapati, 'lord of creatures,' who represents one aspect of Rudra's activities. He pierced Prajāpati and thereby acquired his dominion over all cattle. In another passage the wording of a Rigvedic verse is altered to avoid the mention of Rudra's dread name: in yet another he appears at the sacrifice in black raiment and appropriates to himself the sacrificial victim. We need not suppose that in this presentation the Brāhmaṇas were creating a new figure: rather they were adapting to their system, as far as they could, a great god of the people. But the Rudra of this period can hardly be regarded as a mere development of the Rudra of the Rigveda: it seems most probable that with the Vedic Rudra is amalgamated an aboriginal god of vegetation, closely connected with pastoral life.

Vishṇu cannot be said to have won any such assured place as Rudra, who is already hailed as the 'great god' *par excellence*, and already bears the name of Çiva, 'propitious,' which is to be his final appellation. But the constant identification of Vishṇu and the sacrifice is, in view of the extraordinary importance attached to the sacrifice by the Brāhmans, a sure sign that he counted for much in Vedic life, and that he shared with Rudra the veneration of the people, who may in different localities have been the followers of one or the other god respectively. For the rest, while we now obtain many details of the lower side of the religion in the spells of the Atharvaveda, the pantheon of the Rigveda remains unaltered save in such minor aspects as the new prominence of the Apsarasas, the mechanical opposition of the gods and the Asuras, and the rise of snake worship, which seems to have been due to the imitation of the aboriginal tribes. On the other hand, the attitude of the priests to the gods as revealed in the sacrifice has lost whatever it had of spontaneity and simple piety. It is no doubt possible to exaggerate these qualities even in the earlier hymns of the Rigveda; but their absence in the later Saṃhitās is unquestionable. The theory of sacrifice is bluntly *do ut des*; and even in that theory the sacrificers had so little trust that the whole sacrificial apparatus is dominated by sympathetic magic. So convinced is the priest of his powers in this regard that the texts explain that he can ruin as he pleases, by errors in the sacrifice deliberately committed, the

patron for whom he is acting, and in whose interest he is presumed to be at work. It is a sordid picture; and, as we have seen, the higher spirits turned away from a hocus pocus, which they must have despised as heartily as any Buddhist, to the interpretation of the reality underlying phenomena. Yet it is characteristic of the Indian genius that, though it evolved views which must have rendered all the sacrificial technique logically of no avail, it made no effort to break with the sacrifice which was allowed to stand as a preliminary towards the attainment of that enlightenment which the priests professed to impart.

The language of the Saṃhitās in their verse portions is similar to that of the Rigveda, especially in the tenth book and in the later additions to the other books. The language of the prose represents the speech of the Brāhman schools of the day: it differs from that of the verse by the removal of abnormalities, and by much greater precision shown, for example, in the exact use of the tenses, the 'narrative perfect' being at first carefully eschewed, and by the disappearance, except in a narrow sphere, of the use of the unaugmented past tenses of the verb with modal meaning. There seems in one passage of the Çatapatha Brāhmaṇa to be a curious admission that other tribes had not preserved the purity of the Vedic speech: the Asuras are credited in that text with the utterance of the words *he 'lavo*, which may be interpreted *he 'rayaḥ*, 'Ho! ye foes!,' and, if so, can be explained as Prākrit forms. Similarly, as we have already seen, the Vrātyas are described as regarding the Vedic speech as difficult to pronounce, no doubt because of its conjunct consonants which the Prākrits avoid. In both cases the reference is probably to tribes of the Magadha country, and the Māgadhī Prākrit is marked by both the points alluded to[1]. There are also signs of this corruption of the language through the contact with the aborigines in the fact that in the spells of the Atharvaveda are found several forms which can only be accounted for as Prākritisms. Beyond these generalities we cannot affect to estimate how far the process of the transformation of the language in the popular speech had gone: the earliest foreign evidence, that from the Greek records, shows that many names were reported by Megasthenes and others in Prākrit form; and, in the middle of the third century B.C., the inscriptions of Açoka are all written in Prākrit dialects varying considerably in detail from one another. It is therefore reasonable to suppose

[1] Grierson, *Z.D.M.G.*, vol. LXVI, p. 66, thinks that Paiçāchī, a dialect of north-west India, is meant; but see *Vedic Index*, vol. II, p. 517.

that, beside the language of the Brāhman schools, there existed more popular forms of speech; but everything points to the fact that the deeds of princes were still sung in a language of the same form as the priestly speech. In metre a significant change can be seen: the later hymns exhibit, when written in the eight syllable metre, a distinct tendency to be composed of stanzas in which the four lines are no longer independent in structure, but the first and third and the second and fourth respectively are assimilated. The latter pair is made to end with a definite iambic cadence, while the first and third on the contrary are made to end with an iambus followed by a trochee, thus producing an effect of contrast and setting a gulf between the old and the new form of versification. This new form is far from being exclusively employed even in the latest versification of the period, but in the epic it is firmly established, and the variants reduced to narrow limits[1].

Interesting as are the Saṃhitās and the Brāhmaṇas from the point of view of the history of civilisation and religion, as literature they are hardly ever of substantial value. Much of the speculation of the Brāhmaṇas is utterly puerile and seems to be the product of a decadent intellect. On the other hand, the real interest of the Upanishads is undeniable: these primitive philosophical fragments exhibit a genuine spirit of enquiry, and here and there do not fail to rise to real dignity and impressiveness.

For the date of the epoch of the Brāhmaṇas we are again thrown back on those considerations of literary and social development which we have found to be the sole trustworthy criteria for the dating of the epoch of the Rigveda. The lower limit is given by the fact that Buddhism accepts from the Upanishads the doctrines of transmigration and pessimism, the latter of which had been developed as a doctrine of obvious validity from the facts of transmigration. Other indications, such as the want of any trace of the knowledge of writing, show that we cannot legitimately carry the Upanishads of the older type later than 550 or perhaps more probably 600 B.C. The fixing of the language which is posterior to the Brāhmaṇas may be dated at latest at 300 B.C.; and the earlier Sūtras probably go back to at least 400 B.C. and very possibly earlier. These are important considerations and their cumulative effect is harmonious and practically decisive of an early date for the

[1] See Oldenberg, *Z.D.M.G.*, vol. xxxvii, pp. 67 sq.; *Sacred Books of the East*, vol. xxx, pp. xxxv sq.; *G.G.N.*, 1909, pp. 219 sq.; Hopkins, *Great Epic of India*, pp. 194 sq.; Jacobi, *Indische Studien*, vol. xvii, pp. 442 sq.; Keith, *J.R.A.S.*, 1906, pp. 1–10; 1912, pp. 757 sq.

civilisation which has been described. On considerations of probable development, the beginning of the Brāhmaṇa period may fairly be put back to 800 B.C.

As with the Rigveda, attempts have been made to show that these dates are much too low and that astronomical data enable us to carry the Brāhmaṇas much further back. The lists of the Nakshatras all begin with Krittikās, and we know that in the sixth century A.D. the constellation which then headed the Nakshatras was chosen because the vernal equinox took place when the sun was in conjunction with that Nakshatra. From the precession of the equinoxes, we are enabled to arrive at the conclusion that the position of Krittikās at the vernal equinox must have taken place in the third millennium B.C. This has been supported by a passage in the Çatapatha Brāhmaṇa where it is said that Krittikās did not move from the eastern quarter at that time. But we have no evidence whatever to connect the sun and the Nakshatras at this period, and the notice regarding the position of Krittikās cannot be taken seriously in a work which shows so little power of scientific observation of facts as the Çatapatha. Moreover if, as it is probable, the Nakshatra system was borrowed ready made, we cannot even conjecture for what reason Krittikās was placed first. More promising is a definite notice contained in the Kaushītaki Brāhmaṇa and repeated in the *Jyotisha*, a late Vedic work on astronomy, if indeed it can be dignified with this title, that the winter solstice took place at the new moon in Maghās. From this datum results varying from 1391–1181 B.C. were early deduced by different investigators; but these conclusions can claim no scientific value, as they rest on assumptions as to the exact meaning of the passage which cannot be justified. The possible margin of error in the calculations is at least five hundred years; and we are therefore reduced to the view that this evidence only indicates that the observation which is recorded was made some centuries B.C. The same conclusion can be drawn from the fact that in quite a number of places the month Phālguna is called the beginning of the year. In the view of Jacobi, this shows that the year began with the winter solstice at full moon in Phalgunī, and thus would correspond with his view that in the Rigveda the sun at the summer solstice was in Uttara-Phalgunī. But, in this case also, the result is unacceptable; for it is nowhere stated that the beginning of the year was dated from the winter solstice. The most probable explanation is that the full moon in Phalgunī was deemed to be the beginning of the year, because it marked, at

he time when it was so termed, the beginning of spring. Since he new moon in Maghā was at the winter solstice, the full noon in Phalgunī would fall about a month and a half later in the irst week of February, which is compatible with Feb. 7, the *Veris nitium* in the Roman calendar, and which is a perfectly possible late for about 800 B.C., especially when it is remembered that the livision of the year into three periods of four months was always rough one, and the beginning of spring had to be placed early so s to allow of the rains, which are definitely marked out by the fall f the first rain, to fill the period from about June 7 to October 7. Vith this explanation the theory, that the mention of the full noon in Phalgunī as the beginning of the year records an observa-ion of the fourth millennium B.C., disappears, and still more the heory that the mention of the month Caitra as the beginning of he year carries us back to the sixth millennium. Nor can any nore trust be put in the argument that the mention in the late narriage ritual of the Dhruva, a fixed star shown to the bride and ridegroom as a symbol of constancy, points to an observation made t a period when there was a real fixed pole star, i.e. in the third nillennium B.C. We do not even know whether this part of the ite goes back to the period of the Brāhmaṇas; and, even if it did, or so little scientific a purpose there was no need of anything save fairly bright star not too distant from the pole. Ingenious therefore as all these arguments are, they must be dismissed as affording no real certainty of correctness. The most that can be said is hat they tend to support the period 800–600 B.C. as a reasonable late for the period of the civilisation of the Brāhmaṇas[1].

[1] The main supporters of the astronomical arguments are Jacobi, *Z.D.M.G.*, ol. XLIX, pp. 218 sq.; L, pp. 69 sq.; *J.R.A.S.*, 1909, pp. 721–6; 1910, pp. 460–4; ilak, *Orion*, Bombay, 1893; *The Arctic Home in the Vedas*, Bombay, 1903. On the ther side, see Oldenberg, *Z.D.M.G.*, vol. XLVIII, pp. 629 sq.; XLIX, pp. 470 sq.; , pp 450 sq.; *J.R.A.S.*, 1909, pp. 1095 sq.; Thibaut, *Indian Antiquary*, vol. XXIV, p 85 sq.; Whitney, *J.A.O.S.*, vol. XVI, pp. lxxxii sq.; Keith, *J.R.A.S.*, 1909, p. 1100 sq.; 1910, pp. 464–6. On the origin of the Nakshatras, see de Saussure, *'oung Pao*, 1909, pp. 121 sq., 255 sq.; Oldenberg, *G.G.N.*, 1909, pp. 544 sq.

CHAPTER VI

THE HISTORY OF THE JAINS

THE later half of the sixth century B.C. seems to have been unusually fertile in giving rise to new religious movements in India. An old text amongst the sacred lore of the Buddhists[1] mentions sixty-three different philosophical schools—probably all of them non-Brāhman—existing at the time of Buddha, and there are passages in Jain literature exhibiting a far larger number of such heretical doctrines. Although these statements may have been influenced by the tendency to exaggerate which is visible in most Hindu works, and although many of these sects may have been distinguished only by very subtle differences in matters of doctrine and practice, we are still bound to believe that there was an extraordinary impulse shown in the rise and development of new theological and philosophical ideas at that time. It is beyond our power of investigation to determine whether some of these schools may not have owed their origin to a time far more remote than that of Buddha. In the few cases where we are in some degree able to form an opinion on such points—and the history of the Jain doctrine gives us some hints in this direction—it seems most probable that this may have been the case. It is certainly difficult to believe that all these sects should have originated at the same time. We may therefore suggest that revolts against the Brāhman doctrines date from a much more remote age than the time of Gautama Buddha, the founder of one of the most important religions of the world, and Vardhamāna Mahāvīra, the founder or rather reformer of the Jain church. Not only these two religious teachers but also a number of others, of whom we know little or nothing more than the name, preached in a spirit of most conscientious and determined contradiction against the sanctity of the Vedic lore, the sacrificial prescriptions of the ritualists, and the claims of spiritual superiority asserted by the Brāhmans; but it is a strange characteristic of these sects, so far as we know them, that

[1] Cp. *S.B.E.*, vol. x: 2, p. 93.

they adopted in their ascetic practices and in their whole mode of life the rules which had been already fixed by their Brāhman antagonists.

In the later law books the life of a Hindu is theoretically divided into four successive stages, viz. those of *brahmachārin* or student of the sacred lore, *gṛihastha* or householder, *vānaprastha* or anchorite, and *parivrājaka* or wandering mendicant. Now there are no express statements in Vedic, or pre-Buddhist, texts, concerning the existence of this theory in older times; but from certain passages in the principal Upanishads we may infer that at least the germs of this institution existed at a comparatively early period, as in them we find the knower of the *ātman* or 'Supreme Soul,' that is to say, the *parivrājaka* or Brāhman ascetic contrasted with students, sacrificers and anchorites[1]. However, the order of the different stages—with the exception of that of a *brahmachārin*, which is always the first—seems not at that time to have been a fixed one, and it may be doubted if this theory was ever on a great scale adopted in real life in India. But this question is for us of no importance, as we have here only to take notice of the fourth stage, that of the Brāhman ascetic, whose life was, no doubt, the standard for the rules of discipline laid down by Mahāvīra for his followers.

The *Arthaçāstra* or 'Manual of Politics' which may possibly be the real work of Chāṇakya or Kauṭilya, and therefore written about 300 B.C.[2], describes in the following words the life of a *parivrājaka*: '(the duties) of an ascetic (consist in) subduing his senses, withdrawal from worldly things and from communication with people, begging for alms, living in the forests, but not in the same place, cleanliness external and internal, abstinence from injury to living beings, and in sincerity, purity, freedom from envy, in kindness and in patience[3].' These general rules could—perhaps with one slight alteration—as well be found in any Jain work, and in fact we do find them in many passages of the Jain canon, although perhaps not exactly in the same words. But the similarity between the life of a Brāhman and a Jain ascetic goes much further, and often extends to the most trifling rules of discipline as has been shown by Professor Jacobi from a comparison of the rules laid down for Jain monks and for Brāhman mendicants[4]. Evidently there is not the slightest reason for

[1] Cp. Macdonell and Keith, *Vedic Index of Names and Subjects*, vol. I, pp. 68 sq.
[2] See Chapter XIX.
[3] Kauṭilya, *Arthaçāstra*, p. 8.
[4] Cp. *S.B.E.*, vol. XXII, pp. xxii sq.

regarding either the Jains or the Buddhists as innovators in these matters; and the following pages will show that it was in doctrine rather than in life, in the attempt to abolish the authority of the Brāhman scriptures and the rites of sacrifice rather than in any effort to change the social institutions and conditions of his time, that Mahāvīra differed more widely from his Brāhman predecessors. And when both he and his great rival, Buddha, state that a man is not merely born a Brāhman, but becomes a Brāhman through his meritorious actions, they seem not even here to be real innovators; for we are immediately reminded of the legend of Satyakāma Jābāla and other similar instances[1], that seem to prove that birth was not always regarded as the true keynote of sanctity even in orthodox circles. Jainism, as well as Buddhism, is certainly to be viewed only in close connexion with the Brāhman institutions existing at the time of its rise; and from this standpoint we may now enter upon a closer investigation of the subject of this chapter, the origin and first development of the Jain church.

For a considerable time European scholars were unable to form a clear opinion on the rise and growth of Jainism owing to the absence of original texts which were then scarcely available in Europe. Thus the older generations of Sanskrit scholars may be said to have shared principally two different opinions on these matters. Colebrooke, Prinsep, Stevenson, E. Thomas, and others thought Jainism to be older than Buddhism—an opinion to which we may now willingly subscribe—mainly from the reason, that a disciple of Mahāvīra called Indrabhūti Gautama was held to be the same person as Gautama the Buddha. On the other hand, other distinguished Orientalists such as H. H. Wilson, Lassen, and even Weber, were of the opinion that Jainism was only one of the many different sects into which Buddhism was divided at an earlier or later date after the death of Buddha. Such a view might easily be held on the basis of certain somewhat striking resemblances which are found in the Buddhist and Jain records of which at that time only a comparatively small number had found their way to Europe. This latter hypothesis has now been thoroughly refuted by the works of two eminent German scholars, Bühler and Jacobi, who have laid down a sure foundation for our knowledge of Jainism by a thorough investigation of its old canonical texts and a comparison of these with the scriptures of the Buddhists and Brāhmans. Starting therefore from the standard works on Jainism published by Professor Jacobi, and making use of the materials, which have

[1] Cp. *Vedic Index*, vol. II, pp. 84 sq.

n collected and examined by other scholars, we are now able
obtain a fairly clear view of the early history of Jainism.
Mahâvîra is usually regarded as the real founder of the Jain
gion; and, as we have very scanty information about the only
of his alleged predecessors, who may possibly have had a real
itence, we are, in our investigation, almost forced to adopt this
nt of view. But the Jains themselves claim for their religion
r more venerable antiquity: they tell us that before Mahāvīra
re lived not less than 23 *tīrthakaras* or 'prophets,' who appearing
certain intervals preached the only true religion for the salva-
ı of the world. The first of these prophets was king Ṛishabha,
ɔ after laying down his royal power and transferring the realm
his son Bharata, the first universal monarch (*chakravartin*),
ame a holy man and a *tīrthakara*. As the opinions of the
ns about time and the ages of the world[1] are absurdly exag-
ated, it is almost impossible to express in numbers the time at
ch he is thought to have lived; it may be enough to say that
lifetime is supposed to have lasted for several billions of years
his height to have been about two miles. From such state-
nts and from the flowery descriptions of the blissful state of
world in its first ages, it is evident that the Jains, as indeed, all
idus, attributed to the first race of men a longer life, a greater
ength, and more happiness than fall to the share of their offspring
the present age. As we know, the Greeks and Romans held
ilar opinions. But, of course, the world grew worse and worse
ı the life of man shorter and shorter, so that the 23rd *tīrthakara*,
çva, the immediate predecessor of Mahāvīra, is said to have
d only for a hundred years, and to have died only 250 years
ore his more celebrated successor.

This Pārçva is assumed, on the authority of Professor Jacobi
l others, to have been an historical personage and the real
nder of Jain religion. As he is said to have died 250 years
ore the death of Mahāvīra, he may probably have lived in the
hth century B.C. Professor Jacobi seems to regard this date as
improbable, since some centuries must have elapsed between
time and the appearance of the last Jain prophet[2]. But, as we
'e not a single certain date in Indian history before the time of
ddha, it is evidently impossible to prove this. Almost as scanty
our knowledge of the life and teaching of Pārçva, in spite of the

[1] Upon this subject consult Jacobi in Hastings' *Encyclopædia of Religion and
ics*, vol. I, p. 202.

[2] Cp. *S.B.E.*, vol. XLV, p. 122, n. 3.

large body of literature which has clustered around his name. In the well-known Kalpasūtra of the Jains, which is stated to have been written by the pontiff Bhadrabāhu (perhaps somewhat before 300 B.C.), we have in the chapter called 'The life of the Jinas' a short account of the life of Pārçva; but, as it is written in a purely formal style and bears too much resemblance to other records of the same sort, its value as an historical document is somewhat doubtful. However, it states that Pārçva, like all *tīrthakaras*, was a Kshatriya, a member of the second caste, that of the warriors or nobility according to Brāhman law, and son of king Açvasena of Benares and his wife Vāmā. No such person as Açvasena is known from Brāhman records to have existed: the only individual of that name mentioned in the epic literature was a king of the snakes (*nāga*), and he cannot in any way be connected with the father of the Jain prophet. Pārçva, who is always titled *purisādāṇīya*, which may mean either 'the people's favourite'[1] or 'the man of high birth,' lived for thirty years in great splendour and happiness as a householder, and then, leaving all his wealth, became an ascetic. After 84 days of intense meditation he reached the perfect knowledge of a prophet, and from that time he lived for about 70 years in the state of most exalted perfection and saintship, and reached his final liberation, *nirvāṇa*, on the top of mount Sammeta surrounded by his followers.

In regard to the teaching of Pārçva we are better informed: it was probably essentially the same as that of Mahāvīra and his followers. But we have no exact knowledge, except on two principal points, as to how far this creed was due to Pārçva, or what innovations may have been introduced by his successor. We are told that Pārçva enjoined on his followers four great vows, viz. not to injure life, to be truthful, not to steal, and to possess no property[2], while Mahāvīra added a fifth requisition, viz. that of chastity. Further we know that Pārçva allowed his disciples to wear an upper and an under garment. Mahāvīra, on his part, followed the more rigid rule which obliged the ascetic to be completely naked. These seem to have been, in fact, the most important differences in doctrine between the founder and the reformer of Jainism; for an old canonical text[3] tells us about a meeting between Gautama, the pupil of Mahāvīra, and Keçin, a follower of

[1] Cp. *S.B.E.*, vol. XXII, p. 271.

[2] Cp. *S.B.E.*, vol. XLV, p. 121, and Dr Hoernle in Hastings' *Encyclopædia*, vol. I, p. 264.

[3] Cp. *S.B.E.*, vol. XLV, pp. 119 sq.

Pārçva, in which they tried successfully to solve those questions on which a difference of opinion existed among the religious; and in that account the four vows and the wearing or not wearing of clothes form the main points of discussion. From this text we may venture to draw the conclusion that followers of Pārçva, who did not, perhaps, fully recognise Mahāvīra as their spiritual head, existed during the lifetime of the latter, and that a sort of compromise was effected between the two sections of the church. Indeed it seems to remain a somewhat unsettled question if followers of Pārçva and of Mahāvīra are not to be found even at the present day as the Çvetāmbaras, or 'monks in white clothes,' and the Digambaras, 'sky-clad or naked ascetics.' However, this hypothesis is denied by most authorities; and as a matter of fact the old records place the division of the church into these two main sects at a time much later than Mahāvīra, as we shall see subsequently.

Nothing is known about the followers of Pārçva until the time of the appearance of the last prophet of the Jains, Mahāvīra. As he is not only the most famous propagator of the Jain religion, but also after Buddha the best known of the non-Brāhman teachers of ancient India, we shall have to dwell a little longer upon the records of his life, and in the first place we must examine such chronological data as exist for the determination of his period.

The Jains themselves have preserved chronological records concerning Mahāvīra and the succeeding pontiffs of the Jain church, which may have been begun at a comparatively early date. But it seems quite clear that, at the time when these lists were put into their present form, the real date of Mahāvīra had already either been forgotten or was at least doubtful. The traditional date of Mahāvīra's death on which the Jains base their chronological calculations corresponds to the year 470 before the foundation of the Vikrama era in 58 B.C., i.e. 528 B.C.[1] This reckoning is based mainly on a list of kings and dynasties, who are supposed to have reigned between 528 and 58 B.C.; but the list is absolutely valueless, as it confuses rulers of Ujjain, Magadha, and other kingdoms; and some of these may perhaps have been contemporary, and not successive as they are represented. Moreover, if we adopt the year 528 B.C., it would exclude every possibility of Mahāvīra having preached his doctrine at the same time as Buddha, as the Buddhist

[1] Or 527 B.C. according to those authorities who regard 57 B.C. as the starting point of the Vikrama era. Dates are here given on the assumption that the Vikrama era began in 58 B.C.

texts assert; for there is now a general agreement among scholars that Buddha died within a few years of 480 B.C.[1]; and therefore some fifty years would have elapsed between the decease of the two prophets. But we are told that Buddha was 80 years old at his death, and that he did not begin preaching before his 36th year, that is to say, at a time when Mahāvīra, according to the traditional date, was already dead. Finally, both Mahāvīra and Buddha were contemporaries with a king of Magadha, whom the Jains call Kūṇika, and the Buddhists Ajātaçatru; and he began his reign only eight years before Buddha's death. Therefore, if Mahāvīra died in 528 B.C., he could not have lived in the reign of Kūṇika. So we must, no doubt, wholly reject this date and instead of it adopt another which was long ago suggested by Professor Jacobi[2] on the authority of the great Jain author Hemachandra (d. 1172 A.D.), viz. 468 (467) B.C. The dynastic list of the Jains mentioned above tells us that Chandragupta, the Sandrokottos of the Greeks, began his reign 255 years before the Vikrama era, or in 313 B.C., a date that cannot be far wrong[3]. And Hemachandra states that at this time 155 years had elapsed since the death of Mahāvīra, which would thus have occurred in 468 B.C. This date agrees very well with other calculations and is only contradicted by a passage in the Buddhist Dīgha Nikāya[4] which tells us that Nigaṇṭha Nātaputta —the name by which the Buddhists denote Mahāvīra—died before Buddha. This assertion is, however, in contradiction with other contemporaneous statements, and forms no real obstacle to the assumption of the date 468 B.C. We may therefore adopt this year as our basis for calculating the various dates in Mahāvīra's life.

To give a sketch of Mahāvīra's life is a somewhat difficult task as the oldest existing biography, included in the chapter of the Kalpasūtra to which we have referred, is fanciful and exaggerated, bearing in these respects a certain resemblance to the tales in the Lalita-vistara and Nidāna-kathā concerning the early life of Buddha. If this biography is really the work of Bhadrabāhu, it may be expected to contain notices of great value, even although its state-

[1] In 483 B.C. according to the system of chronology adopted in this work; or in 478 (477) B.C. as appears more probable to the present writer. For a full discussion of the dates of Mahāvīra and Buddha, on the assumption that the Vikrama era began in 57 B.C., see Charpentier, *Ind. Ant.*, 1914, pp. 118 ff., 125 ff., 167 ff.

[2] *Kalpasūtra*, pp. 8 ff.

[3] *V. inf.*, p. 164.

[4] *D.N.*, III, pp. 117, 209. Also *Majjhima Nikāya*, II, pp. 278 ff. Cp. Chalmers, *J.R.A.S.*, 1895, pp. 665 f.

ments cannot always be accepted as strictly accurate. There are, moreover, in several old canonical works passages which give information on various events in Mahāvīra's life; and the Buddhist scriptures also give us some valuable hints.

The capital of Videha, Vesāli or Vaiçālī[1], was without doubt one of the most flourishing towns of India about 500 years before the beginning of our era. The government, which was republican, or perhaps rather oligarchical, was entrusted to the princely family of the Licchavis, who are often mentioned in Buddhist and Jain writings, and who were certainly mightier at that time than at a later date, when an author[2] remarks that they 'lived by assuming the title of king (*rājan*).' Just outside Vaiçālī lay the suburb Kuṇḍagrāma—probably surviving in the modern village of Basukuṇḍ—and here lived a wealthy nobleman, Siddhārtha, head of a certain warrior-clan called the Jñātṛikas. This Siddhārtha was married to the princess Triçalā, sister of Cheṭaka, the most eminent amongst the Licchavi princes, and ruler of Vaiçālī. To them were born, according to the tradition, one daughter and two sons, the younger of whom was called Vardhamāna, the future Mahāvīra. Through the Licchavis Siddhārtha became the relative of a very powerful monarch; for king Bimbisāra or Çreṇika of Magadha, the patron of Buddha and the mightiest ruler of Eastern India, had married Chellanā, daughter of Cheṭaka; and she was mother of Ajātaçatru or Kūṇika, who murdered his father eight years before the death of Buddha, and ascended the blood-stained throne of Magadha.

This is what we learn from the Kalpasūtra concerning Mahāvīra's pedigree; and there is no reason to doubt this information. But the birth of great men—and especially religious teachers—has often afterwards been made a theme for the most fanciful and supernatural legends. And so the Kalpasūtra tells us that Mahāvīra, when he descended from the heavenly palace of Pushpottara where he had led his previous existence, was at first conceived in the womb of Devānandā, wife of the Brāhman Ṛishabhadatta. This couple, too, lived in the suburb of Kuṇḍagrāma. However, it had never happened in the innumerable cycles of previous world-periods that a prophet had been born in a Brāhman family; and consequently the god Çakra (Indra) had the embryo removed from the womb of Devānandā to that of Triçalā. We must observe,

[1] The site and surroundings of Vaiçālī are indicated by Dr Vincent A. Smith, *J.R.A.S.*, 1902, pp. 267 ff.

[2] The *Arthaçāstra* of Kauṭilya, p. 376.

however, that this tale is only believed by the Çvetāmbaras, and constitutes one of the four main points rejected by the Digambaras, who seem here to hold the more sensible opinion.

Just like the mother of Buddha, the princess Triçalā had auspicious dreams in the very night of conception; and the interpreters foretold that the child would become either a universal monarch or a prophet possessing all-comprising knowledge. So the boy, whose birth was celebrated alike by gods and men, was received by his parents with the most lofty expectations, and was educated to the highest perfection in all branches of knowledge and art. In due time he was married to a lady, named Yaçodā, and had by her a daughter, who became the wife of Jamāli, a future disciple of his father-in-law, and the propagator of the first schism in the Jain church. However, Mahāvīra's mind was not turned towards secular things; and in his thirtieth year, after the decease of his parents, he left his home with the permission of his elder brother, Nandivardhana, and set out for the life of a homeless monk.

The first book of the Jain canon, the Āchārāṅga-sūtra, has preserved a sort of religious ballad[1] giving an account of the years during which Mahāvīra led a life of the hardest asceticism, thus preparing himself for the attainment of the highest spiritual knowledge, that of a prophet. During the first thirteen months he never changed his robe, but let 'all sorts of living beings'—as the text euphemistically says—crawl about on his body; but after this time he laid aside every kind of garment and went about as a naked ascetic. By uninterrupted meditation, unbroken chastity, and the most scrupulous observation of the rules concerning eating and drinking, he fully subdued his senses; nor did he ever in the slightest degree hurt or cause offence to any living being. Roaming about in countries inhabited by savage tribes, rarely having a shelter in which to rest for the night, he had to endure the most painful and injurious treatment from the barbarous inhabitants. However, he never lost his patience, and never indulged in feelings of hatred or revenge against his persecutors. His wanderings seem to have covered a wide area, and on occasions he visited Rājagṛiha, the capital of Magadha, and other towns, where the utmost honour was shown him by pious householders.

It was during one of these visits to Nālandā, a suburb of Rājagṛiha famous in the sacred history of the Buddhists, that he met with Gosāla Maṃkhaliputta, a mendicant friar, who attached

[1] Translated in *S.B.E.* vol. XXII, pp. 79 ff.

himself to Mahāvīra for some years. The consequences of this meeting were certainly disastrous for both the teacher and the disciple. For six years they lived together practising the most austere asceticism; but after that time, on account of a dispute which arose out of a mere trifle, Gosāla separated himself from Mahāvīra, and set up a religious system of his own, soon afterwards proclaiming that he had attained to the highest stage of saintship, that of a *tīrthakara*. This claim was put forth two years before Mahāvīra himself had reached his perfect enlightenment. The doctrines and views of Gosāla are known to us only from notices scattered throughout the Jain and Buddhist writings, and his followers, the Ājīvika sect, have left no written documents; but from the intolerant and bitter sayings of the Jains concerning Gosāla, whom they stigmatise as merely a treacherous impostor, we may well conclude that the cause of dissension between him and his former teacher was deep-rooted, and that this quarrel must have been a severe blow to the rising influence of Mahāvīra and the establishment of the new religious community. Gosāla took up his head-quarters in a potter's shop belonging to a woman named Hālāhalā at Çrāvastī, and seems to have gained considerable reputation in that town. We shall hear something about him at a later stage; but for the present we must return to Mahāvīra himself.

Twelve years spent in self-penance and meditation were not fruitless; for in the thirteenth year Mahāvīra at last reached supreme knowledge and final deliverance from the bonds of pleasure and pain. The *ipsissima verba* of an old text will perhaps best show us how the Jains themselves have described this the most important moment of the prophet's life: 'during the thirteenth year, in the second month of summer, in the fourth fortnight, the light (fortnight) of Vaiçākha, on its tenth day, called Suvrata, while the moon was in conjunction with the asterism Uttara-Phalgunī, when the shadow had turned towards the east, and the first wake was over, outside of the town Jṛimbhikagrāma, on the northern bank of the river Ṛijupālikā, in the field of the householder Sāmāga, in a north-eastern direction from an old temple, not far from a Sāl tree, in a squatting position with joined heels exposing himself to the heat of the sun, with the knees high and the head low, in deep meditation, in the midst of abstract meditation, he reached *nirvāṇa*, the complete and full, the unobstructed, unimpeded, infinite and supreme, best knowledge and intuition, called *kevala* (total). When the venerable one had become an Arhat and Jina, he was a

kevalin, omniscient and comprehending all objects, he knew all conditions of the world, of gods, men, and demons; whence they come, where they go, whether they are born as men or animals, or become gods or hell-beings; their food, drink, doings, desires, and the *thoughts* of their minds; he saw and knew all conditions in the whole world of all living beings[1].'

At this time Vardhamāna, henceforth styled ***Mahāvīra*** (the great hero) or ***Jina*** (the conqueror), was 42 years old; and from this age he entered upon a new stage of life, that of a religious teacher and the head of a sect called the *nirgranthas* 'free from fetters,' a designation nowadays obsolete, and superseded by the the term *Jainas* 'followers of the Jina.' His parents had, according to a tradition which seems trustworthy, been followers of Pārçva, the previous *tīrthakara*: as has already been pointed out, the doctrine of Mahāvīra was scarcely anything else than a modified or renovated form of Pārçva's creed. As he was a ***nirgrantha*** monk, and a scion of the *Jnātṛi* clan, his opponents, the Buddhists, call him *Nigganṭha Nāt(h)aputta* (in Sanskrit ***Nirgrantho Jñātriputraḥ***). We owe to Professor Jacobi the suggestion, which is undoubtedly correct, that the teacher, who is thus styled in the sacred books of the Buddhists, is identical with Mahāvīra, and that consequently he was a contemporary of Buddha.

We possess little knowledge of the thirty years, during which Mahāvīra wandered about preaching his doctrine and making converts. He apparently visited all the great towns of N. and S. Bihār, principally dwelling in the kingdoms of Magadha and Aṅga. The Kalpasūtra tells us that he spent his rainy seasons, during which the rules for monks prohibited the wandering life, at various places, e.g. at Champā, the capital of Aṅga, at Mithilā in the kingdom of Videha, and at Çrāvastī, but chiefly at his native town Vaiçālī, and at Rājagṛiha, the old capital of Magadha. He frequently met with Bimbisāra and his son, Ajātaçatru or Kūṇika, the kings of Magadha, and their near relations; and according to the texts he was always treated by them and other important persons with the utmost respect, and made many converts amongst the members of the highest society. But we must observe that the Buddhists in an equal degree claim these kings as followers of their prophet; and we may conclude that uniform courtesy towards teachers of different sects was as common a characteristic of Indian kings in those days as at a later period. The Jains do not tell us

[1] From the *Āchārāṅga-sūtra*, vol. I, pp 15, 25–26 (translated in *S.B.E.*, vol. XXII, pp. 261 sq.).

anything about the Buddhists; but the latter frequently mention discussions and controversies between Buddha and disciples of Mahāvīra. In these accounts Buddha, of course, always has the last word, and is said to have inflicted considerable loss on the Jain community through the converts which he made amongst its followers. Even king Ajātaçatru, according to the Pāli texts, failed to obtain a satisfactory explanation concerning matters of religion from Mahāvīra, and consequently turned to Buddha with a far better result; but there seems to be little doubt that the Jains have more claim to include the parricide king amongst their converts than the Buddhists. Another prominent lay-follower of Mahāvīra was the householder of Rājagṛiha, Upāli, who in his enthusiasm embarked on the attempt to convince Buddha of his wrong views. We learn, however, that the great teacher easily upset his arguments, and gained in his opponent a stalwart adherent to his creed. Subsequently, Upāli is said to have treated his former teacher with an arrogance, which so shocked Mahāvīra that 'hot blood gushed from his mouth[1].'

But although the relations between the Jains and Buddhists were by no means friendly, we must probably not attach too much importance to the controversies between them or to the number of converts said to have been gained by one sect at the expense of the other. Between two contemporary religious communities working side by side in the same region and often coming into contact there must have occurred skirmishes; but the whole doctrine and mode of life adopted by the Buddhists was too widely different from that of the Jains to give occasion for more than somewhat temporary relations. We cannot here enter upon any full investigation of the doctrine of Mahāvīra. It must suffice here to point out that it represents, probably, in its fundamental tenets one of the oldest modes of thought known to us, the idea that all nature, even that which seems to be most inanimate, possesses life and the capability of reanimation; and this doctrine the Jains have, with inflexible conservatism, kept until modern times. This has nothing in common with the philosophy of Buddha. There is, in reality, no resemblance between the two systems except in regard to such matters as are the commonplaces of all Hindu philosophy. Even for those superficial believers who looked more to the exterior appearance and mode of life than to the doctrine and faith, the two sects presented an aspect so completely different that one could not easily be confused with the other.

[1] *Cf.* the *Upāli-sutta* in *Majjhima Nikāya*, vol. I, pp. 371 ff.

Buddha had at first sought freedom from *karman*, or the bondage of 'works,' and from transmigration in exaggerated self-torture: but he soon found that this was not the way to peace; and consequently he did not enforce upon his followers the practice of too hard self-penance but advised them to follow a middle way, that is to say, a simple life but one free from self-torture. Mahāvīra also had practised asceticism but with a different result; for he had found in its severest forms the road to deliverance, and did not hesitate to recommend nakedness, self-torture, and death by starvation as the surest means of reaching final annihilation; and the Jains proud of their own austerities often stigmatise the Buddhists as given to greed and luxury. Buddha always warned his disciples against hurting or causing pain to any living being; but Mahāvīra fell into exaggerations even here, and he seems in reality often to care much more for the security of animals and plants than for that of human beings. Such instances of a deep-rooted divergence in views could easily be multiplied; but what has been already pointed out is sufficient to prove that the Jains and Buddhists were in fact too far asunder to be able to inflict any very serious damage on each other. But this does not mean, however, that rivalry and hatred did not exist between them: such feelings certainly did exist, and we need not doubt that these rivals did their best to annoy each other according to their abilities and opportunities.

A far more dangerous rival of Mahāvīra was Gosāla. Not only was his doctrine, although differing on many points, mainly taken from the tenets of Mahāvīra[1]; but his whole mode of life also, in its insistence on nakedness and on the utter deprivation of all comforts, bore a close resemblance to that of the Jains. Between two sects so nearly related the transition must have been easy; and pious people may not always have been quite sure whether they were honouring the adherents of one sect or of the other. The Jain scriptures admit that Gosāla had a great many followers in Çrāvastī; and, if we may trust their hints as to his laxity in moral matters, it is possible that his doctrine may for some people have possessed other attractions than those of asceticism and holiness. Although Mahāvīra is said not to have had any personal meeting with Gosāla until shortly before the death of the latter, it seems clear that they carried on a bitter war against each other through their followers. Finally, in the sixteenth year of his career as a prophet, Mahāvīra visited Çrāvastī, the head-quarters of his mortal

[1] Cp. Hastings' *Encyclopædia*, vol. I, p. 261, for further details.

emy. The account given by the Jains tells us that, at this
eeting, Mahāvīra inflicted a final blow on his adversary, and that
sāla died a week afterwards, having passed his last days in a
ite of drunkenness and mental imbecility, but showing some signs
repentance at the last. But the story is rather confused, and it
ems doubtful to what extent we may trust it. However, it may
regarded as beyond dispute that Mahāvīra was considerably
lieved by the death of his opponent; and, according to the
agavatī-sūtra, he took a rather strange revenge on the dead man
describing to his disciples all the wicked deeds he would have
perform, and all the pains he would have to suffer in future
istences, thus to a certain degree anticipating Dante's treatment
his adversaries. The death of Gosāla occurred shortly after
ātaçatru had gained accession to the throne of Magadha by the
urder of his father.

Even within the Jain church there occurred certain schismatical
fficulties at this time. In the fourteenth year of Mahāvīra's
fice as prophet, his nephew and son-in-law, Jamāli, headed an
position against him, and similarly, two years afterwards, a holy
an in the community, named Tīsagutta, made an attack on a
rtain point in Mahāvīra's doctrine. But both of these schisms
erely concerned trifles, and seem to have caused no great
ouble, as they were speedily stopped by the authority of the
ophet himself. Jamāli, however, persisted in his heretical
inions until his death.

Mahāvīra survived his hated rival Gosāla for sixteen years, and
obably witnessed the rapid progress of his faith during the reign
Ajātaçatru, who seems to have been a supporter of the Jains, if
e may infer that gratitude is the motive which leads them to
ake excuses for the horrible murder of his father, Bimbisāra.
owever, we are not informed of any special events happening
ring the last period of his life, which may have been as
onotonous as that of most religious mendicants. He died, after
ving reached an age of 72 years, in the house of king Hastipāla's
ribe in the little town of Pāwā near Rājagṛiha, a place still
sited by thousands of Jain pilgrims. This event may have
curred at the end of the rainy season in the year 468 B.C. Thus,
e had survived both of his principal adversaries; for Buddha's
ecease most probably took place at least ten, if not fifteen, years
rlier[1].

[1] For reasons why the Buddhist account, according to which Mahāvīra died before
iddha, is not accepted here, see Charpentier, *Ind. Ant.*, 1914, p. 177.

Out of the eleven *gaṇadharas* 'heads of the school,' or apostles, of Mahâvīra only one survived him, viz. Sudharman, who became the first pontiff of the new church after his master. Absolutely nothing is known concerning the fate of the community for more than 150 years after the death of its founder beyond the very scanty conclusions which may be drawn from the legendary tales related by later Jain writers, above all by the great Hemachandra. According to these authorities, Ajātaçatru was succeeded by his son Udāyin, a prince, who may have reigned for a considerable time, and who was a firm upholder of the Jain religion. But the irony of fate was visible even here; for the very favour which he had bestowed upon the Jains proved to be the cause of his ruin: a prince whose father he had dethroned plotted against his life; and, aware of the welcome accorded to the Jains by Udāyin, he entered his palace in the disguise of a Jain monk, and murdered him in the night. This happened 60 years after Mahāvīra's decease. The dynasty of the nine Nandas, somewhat ill-famed in other records which call its founder the son of a courtezan and a barber[1], then came to the throne of Magadha. However, the Jains do not share the bad opinion of these kings which was held by the Buddhists. This fact seems to suggest that the Nanda kings were not unfavourably inclined towards the Jain religion; and this inference gains some support from another source, for the badly mutilated inscription of Khāravela, king of Kaliṅga and a faithful Jain, mentions, apparently, in one passage 'king Nanda' in unmistakable connexion with 'an idol of the first Jina[2].' But the reign of the Nandas is one of the darkest even of the many hopelessly dark epochs in the history of ancient India.

The last of the Nandas was dethroned by Chandragupta, the founder of the Maurya dynasty, with the aid of the great statesman, Chāṇakya, within a few years of the departure of Alexander the Great from India. The Jains put the date of Chandragupta's accession in 313 (312) B.C., that is to say, eight years later than the Buddhists. This date coincides probably with a year which marks an epoch in the history of the Jain church. Sudharman, the first pontiff, had died twenty years after his master, leaving the mitre to Jambu, who held his high office for 44 years, dying at a time nearly coincident with the accession of the Nandas. After him passed three generations of pontiffs; and, in the time of the last Nanda, the Jain church was governed by two high-priests, Sambhūtavijaya and Bhadrabāhu, the author of the biography of Mahāvīra

[1] See however Chapter XIII, pp. 313-4.

[2] Cf. *Ind. Ant.*, 1914, p. 173.

quoted above. These two were the last who knew perfectly tl fourteen *pūrvas* or divisions of the most ancient Jain scripture and Sambhūtavijaya is said to have died in the same year in whi Chandragupta took possession of the throne. At the same time dreadful famine lasting for twelve years devastated the region Bengal; and Bhadrabāhu, seeing that this evil time would provol numerous offences against the ecclesiastical rules, thought it prude to escape. Gathering his followers together, therefore, he emigrate and took up his abode in the country of Karṇāṭa in Southern Ind The whole community, however, did not follow him. Many Jai remained in Magadha and other places under the spiritual leade ship of Sthūlabhadra, a disciple of Sambhūtavijaya.

At the end of the famine the emigrants returned, but at tl time Bhadrabāhu seems to have laid down his leadership of t church, and to have retired to Nepāl in order to pass the remaind of his life in penance, leaving the succession to Sthūlabhadı There is no reason to believe the account given by the Digambar according to which he was murdered by his own disciples. But, any case, this time seems to have been one of misfortune for tl Jain church; and there can be no doubt it was then, i.e. abo 300 B.C., that the great schism originated, which has ever sin divided the community in two great sects, the Çvetāmbaras a the Digambaras. The returning monks, who had during the fami strictly observed the rules in all their severity, were disco tented with the conduct of the brethren who had remained Magadha, and stigmatised them as heretics of wrong faith and l discipline. Moreover, during this time of dissolution, the o canon had fallen into oblivion; and consequently the monks wl had remained in Magadha convoked a great council at Pāṭaliputr the modern Patna, in order to collect and revise the scripture However, this proved to be an undertaking of extraordina difficulty, since the *pūrvas* or older parts were known perfect only to Bhadrabāhu, who had at this time already settled in Nepā and Sthūlabhadra, who went there in person, although he lear from his predecessor all the fourteen *pūrvas*, was forbidden teach more than the first ten of them to others. The canc established by the Council was therefore a fragmentary one; a in it, to some extent, new scriptures took the place of the old. I some degree it may be represented by the present canon of tl Çvetāmbaras, since that too is preserved in a somewhat disorder condition. The returning monks, the spiritual ancestors of tl Digambaras, seem to have taken no part in the council, and

have proclaimed that the real canon had been hopelessly lost; and even to the present day they have continued to hold the same opinion. They regard the whole canon of the Çvetāmbaras, the Siddhānta as it is called, as merely a late and unauthoritative collection of works, brought together by Jinachandra in Valabhī at a far later date.

But probably the difficulties which beset the Jain church at this period were not only internal. As is well known, the Jains nowadays are settled principally in Western India, Gujarāt, etc. That they have been there for a very long time is certain, since their non-canonical writings, as well as epigraphical documents, bear witness at an early date to their influence in these parts of India. As the historical records of the sect have very little to tell us of the reign of Chandragupta and his son Bindusāra, and perhaps even still less of the great Açoka, it seems probable that they had already in the third century B.C. begun to lose their foothold in Eastern India. The manual of politics by Chāṇakya describes a purely Brāhman society; and it may perhaps not be too hazardous to infer from this fact that the first rise of the Maurya dynasty may have marked an attempt to restore the Brāhman power and so check the rising influence of the heterodox communities. If so, this policy was certainly abandoned by Açoka whose zeal for Buddhism may have been one of the main causes for the downfall of his great empire immediately after his death. It is true that Açoka in one of his edicts mentions his protection of the *nirgranthas* as well as of the Buddhists and other pious men; but any attempt to prove a greater interest on his part in the welfare of the Jains must fail, unsupported as it is by the scriptures of the Jains themselves. It is true too that Khāravela, king of Kaliṅga, who, although his exact date may be doubted, certainly lived a considerable time after Açoka, displayed a great zeal for the Jain religion; but it seems quite clear that, at the time of Açoka's death, the Jains had practically lost their connexion with Eastern India; since they apparently know nothing of his grandson Daçaratha, who succeeded him in Magadha, and, of the following princes, only the usurper Pushyamitra, a patron of Brāhmanism, is mentioned by them. On the other hand, they tell us that Samprati, another grandson of Açoka who reigned probably in Ujjain, was a strong supporter of their religion, and his capital seems to have played at this time an important *rôle* in the history of Jainism.

As we have seen, in about 300 B.C. the division of the Jain church into the two great sects of the Çvetāmbaras and Digambaras

had probably already begun. The final separation between the two communities is, no doubt, reported not to have taken place before 79 or 82 A.D.; but the list of teachers and schools in the Kalpasūtra and the numerous inscriptions from Mathurā, which date mostly from the time of the later Kushāṇa kings, i.e. after 78 A.D., afford sufficient proof that the Çvetāmbara community was not only established but had become subdivided into smaller sects at an earlier period. This is especially clear from the frequent mention of nuns in the Mathurā inscriptions; for it is only the Çvetāmbaras who give women admission into the order. Everything tends to show that the Jains were probably already at this time (300 B.C.) gradually losing their position in the kingdom of Magadha, and that they had begun their migration towards the Western part of India, where they settled, and where they have retained their settlements to the present day. Attention has already been called to the fact that the later Jain authors mention Ujjain as a place where their religion had already gained a strong foothold in the age of Açoka and his immediate successors. Another locality in which the Jains seem to have been firmly established, from the middle of the second century B.C. onwards, was Mathurā in the old kingdom of the Çūrasenas, known at an earlier date, e.g. by Megasthenes (300 B.C.), as the centre of Kṛishṇa-worship. The numerous inscriptions, excavated in this city by General Cunningham and Dr Führer, and deciphered by Professor Bühler, tell us about a wide-spread and firmly established Jain community, strongly supported by pious lay devotees, and very zealous in the consecration and worship of images and shrines dedicated to Mahāvīra and his predecessors. An inscription, probably dated from 157 A.D. (=79 Çaka), mentions the Vodva tope as 'built by the gods,' which, as Bühler rightly remarks, proves that it in the second century A.D. must have been of considerable age as everything concerning its origin had been already forgotten.

Except the long lists of teachers, often more or less apocryphal, which have been preserved by the modern subdivisions of the Jain community, there exist practically no historical records concerning the Jain church in the centuries immediately preceding our era. Only one legend, the *Kālakāchārya-kathānaka*, 'the story of the teacher Kālaka,' tells us about some events which are supposed to have taken place in Ujjain and other parts of Western India during the first part of the first century B.C., or immediately before the foundation of the Vikrama era in 58 B.C. This legend is perhaps not totally devoid of all historical interest. For it records how

the Jain saint Kālaka, having been insulted by king Gardabhilla of Ujjain, who, according to various traditions, was the father of the famous Vikramāditya, went in his desire for revenge to the land of the Çakas, whose king was styled 'King of Kings' (*sāhāṇusāhi*). This title, in its Greek and Indian forms, was certainly borne by the Çaka kings of the Punjab, Maues and his successors, who belong to this period; and, as it actually appears in the form *shaonano shao* on the coins of their successors, the Kushāṇa monarchs, we are perhaps justified in concluding that the legend is to some extent historical in character. However this may be, the story goes on to tell us that Kālaka persuaded a number of Çaka satraps to invade Ujjain and overthrow the dynasty of Gardabhilla; but that, some years afterwards, his son, the glorious Vikramāditya, repelled the invaders and re-established the throne of his ancestors. What the historical foundation of this legend may be, is wholly uncertain—perhaps it contains faint recollections of the Scythian dominion in Western India during the first century B.C. In any case, it seems undoubtedly to give further proof of the connexion of the Jains with Ujjain, a fact indicated also by their use of the Vikrama era, which was established in the country of Mālwā, of which Ujjain was the capital.

Thus, the history of the Jains during these centuries is enveloped in almost total darkness; nor have we any further information as to the internal conditions of the community. Almost the only light thrown upon these comes from the Mathurā inscriptions, which incidentally mention a number of various branches, schools, and families of the Jain community. From this source, too, we learn the names of teachers who under different titles acted as spiritual leaders of these subdivisions, and of monks and nuns who practised their austere life under their leadership. Much the same religious conditions as are shown by the inscriptions have been preserved in the Jain church till the present day, although the names and external forms of the sects and the monastic schools may have changed in the course of twenty centuries. Moreover, the inscriptions mention the names of a vast number of these pious lay people, both male and female, who, in all ages, by providing the monks and nuns with their scanty livelihood, have proved one of the firmest means of support for the Jain church, and whose zeal for their religion is attested by the numerous gifts of objects for worship recorded in the inscriptions. Dr Hoernle[1] is no doubt right in maintaining that this good or-

[1] *Proceed. of the As. Soc. of Bengal*, 1898, p. 58.

ganisation of the Jain lay community must have been a factor of the greatest importance to the church during the whole of its existence, and may have been one of the main reasons why the Jain religion continued to keep its position in India, whilst its far more important rival, Buddhism, was entirely swept away by the Brāhman reaction. The inflexible conservatism of the small Jain community in holding fast to its original institutions and doctrine has probably been the chief cause of its survival during periods of severe affliction; for, as Professor Jacobi has pointed out long ago[1], there can be little doubt, that the most important doctrines of the Jain religion have remained practically unaltered since the first great separation in the time of Bhadrabāhu about 300 B.C. And, although a number of the less vital rules concerning the life and practices of monks and laymen, which we find recorded in the holy scriptures, may have fallen into oblivion or disuse, there is no reason to doubt that the religious life of the Jain community is now substantially the same as it was two thousand years ago. It must be confessed from this that an absolute refusal to admit changes has been the strongest safeguard of the Jains. To what extent the well-known quotation '*sint ut sunt aut non sint*' may be applicable to the Jains of our days, may be questioned; but the singularly primitive idea that even lifeless matter is animated by a soul, and the austerest perhaps of all known codes of disciplinary rules seem scarcely congruent with modern innovations.

In the preceding pages an attempt has been made to give a brief sketch of the history of the Jain church from its foundation or reformation by Mahāvīra about 500 B.C. down to the beginning of our era. While we possess materials which enable us to construct a fairly clear biography of the prophet, and while we have at least some information concerning the events which preceded and were contemporary with the beginning of the great separation between Çvetāmbaras and Digambaras about 300 B.C., the following period is almost totally devoid of any historical record. And this is not the only blank in Jain ecclesiastical history. Scarcely more is known concerning the fate of the Jain church during the early centuries of our era down to the time of the great council of Valabhī, in the fifth or at the beginning of the sixth century A.D., when the canon was written down in its present form. The Jain church has never had a very great number of adherents; it has never attempted—at least not on any grand scale—to preach its doctrines through missionaries outside India. Never rising to an

[1] *Z.D.M.G.*, vol. XXXVIII, pp. 17 sq.

overpowering height but at the same time never sharing the fate of its rival, Buddhism, that of complete extinction in its native land, it has led a quiet existence through the centuries and has kept its place amongst the religious systems of India till the present day, thanks to its excellent organisation and to its scrupulous care for the preservation of ancient customs, institutions, and doctrine.

CHAPTER VII

THE EARLY HISTORY OF THE BUDDHISTS[1]

1. PRE-BUDDHISTIC

THE early history of the Buddhists should properly begin far nough back before the birth of the Buddha to throw light on the uses that were at work in producing the rise and progress of the uddhist reformer. Unfortunately, even after all that has been ritten on the subject of early Buddhist chronology, we are till uncertain as to the exact date of the Buddha's birth. The ate 483 B.C. which is adopted in this History must still be egarded as provisional. The causes of this uncertainty which ere explained by the present writer in 1877 still remain the ame :

> If the date for Asoka is placed too early in the Ceylon chronicles, can we still rust the 218 years which they allege to have elapsed from the commencement of he Buddhist era down to the time of Asoka? If so we have only to add that umber to the correct date of Asoka, and thus fix the Buddhist era [the date of he Buddha's death] at 483 B.C. or shortly after. Of the answer to this question, here can I think, be no doubt. *We can not*[2].

This statement was followed by an analysis of the details of the ists of kings and teachers, the length of whose reigns or lives, dded together, amount to this period of 218 years. The analysis hows how little the list can be relied on. The fact is that all uch calculations are of very doubtful validity when they have o be made backwards for any lengthened period. Sinologists, Assyriologists, Egyptologists have not been able to agree on results sought by this method; and, though Archbishop Usher's attempt to discover in this way, from the Hebrew records, the correct date of the creation was long accepted, it is now mere matter for derision. As is well known, even the Christian chronologists, though the interval they had to cover was very short, were wrong in their calculation of our Christian era. The Ceylon chroniclers may have been as much more wrong as the interval they had to

[1] In the Buddhist chapters names and titles appear in their Pāli form.

[2] *Ancient Coins and Measures of Ceylon*, p. 44 of the separate edition (London, 1877).

account for was longer. We must admit that they tried their best, and were not so utterly at sea as the Irish church-dignitary. But we do not even know who made the calculation. We first hear of it in the fourth century A.D., and are only entitled to conclude that at that date the belief in the 218 years was accepted by most of those Buddhists who continued in possession of the ancient traditions[1].

There have been endeavours, on the basis of other traditions, to arrive at a more exact date for the birth of the Buddha[2]. It is sufficient to state that each of these is open to still more serious objection. We must be satisfied to accept, as a working hypothesis only, and not as an ascertained fact, the general belief among modern European scholars that the period for the Buddha's activity may be approximately assigned to the sixth century B.C.

In previous chapters of this volume will be found the story, drawn from the Brāhman literature, of the gradual establishment in Northern India of the Āryan supremacy. For the period just before the rise of Buddhism (say the seventh century B.C.) this literature tells us very little about political movements. The Buddhist books also are devoted to ideas rather than to historical events, and pass over, as of no value to their main objects, the dates and doings and dynastic vicissitudes of the kinglets before their own time. The fact that they do so is historically important; and we should do wrong in ignoring, in a history of India, the history of the ideas held by the Indian peoples. But the fact remains. It is only quite incidentally that we can gather, from stories, anecdotes, or legends in these books, any information that can be called political. Of that referring to the pre-Buddhist period the most important is perhaps the list of the Sixteen Great Powers, or the Sixteen Great Nations, found in several places in the early books[3]. It is a mere mnemonic list and runs as follows:

1.	Aṅgā	9.	Kurū
2.	Magadhā	10.	Pañchālā
3.	Kāsī	11	Macchā
4.	Kosalā	12.	Sūrasenā
5.	Vajjī	13.	Assakā
6.	Mallā	14.	Avantī
7.	Chetī	15.	Gandhārā
8.	Vaṃsā	16.	Kambojā

[1] For the recent literature from the point of view of those who accept the 218 years as correct see Geiger, *Mahāvaṃsa* (English translation), pp. xxii–xxxvi.

[2] See, for instance, the various results detailed by Winternitz, *Geschichte der indischen Litteratur*, II, 1, 2, note 1.

[3] *Aṅguttara* I, 213; IV, 252, 256, 260. Referred to in *Mahāvastu* II, 2, line 15. Cf. the note in *Vinaya Texts*, II, 146.

When a mnemonic phrase or verse of this kind is found in identi-
al terms in different parts of the various anthologies of which the
uddhist canon consists, the most probable explanation is that it had
een current in the community before the books were put together
s we now have them, and that it is therefore older than those
ollections in which it is found[1]. As this particular list is found
 two of the oldest books in the canon it would follow that it is,
omparatively speaking, very old. It may even be pre-Buddhist—
list handed down among the bards, and adopted from them by
he early Buddhists. For it does not fitly describe the conditions
hich, as we know quite well, prevailed during the Buddha's life-
ime. Then the Kosala mountaineers had already conquered
enares (Kāsi), the Aṅgas were absorbed into the kingdom of
Magadhas, and the Assakas probably belonged to Avanti. In our
ist all these three are still regarded as independent and important
ations; and that the list is more or less correct for a period
efore the rise of Buddhism is confirmed by an ancient rune pre-
erved in the Dīgha[2], and reproduced (in a very corrupt form, it is
rue) in one of the oldest Sanskrit-Buddhist texts[3]. It runs:

> Dantapura of the Kaliṅgas, and Potana of the Assakas,
> Māhissati for the Avantis, Roruka in the Sovīra land,
> Mithilā for the Videhas, and Champā among the Aṅgas,
> And Benares for the Kāsis—all these did Mahā-Govinda plan.

We have here seven territories evidently, from the context,
regarded as the principal ones, before the rise of Buddhism, in the
centre of what was then known as Jambudīpa (India). Though
quite independent of the list just discussed these mnemonic verses
tell a similar story. Here also appear the Assakas, Aṅgas, and
Kāsis. Only the Kaliṅgas are added; and the name of their
capital, Dantapura, 'the Tooth city,' shows incidentally that the
sacred tooth, afterwards taken from Dantapura to Ceylon was
believed, when this list was drawn up, to have been already an
object of reverence before the time of the Buddha. This tradition
of a pre-Buddhist Dantapura, frequently referred to in the
Jātakas, is thus shown to be really of much greater age. And it is
clear that at the time when the four Nikāyas were put into their
present form[4] it was believed that, before the Buddha's life-time,

[1] Cf. Rh.D., *Buddhist India*, p. 188.
[2] II, 235, translated in *Dialogues of the Buddha*, II, 270.
[3] *Mahāvastu* III, 208, 209.
[4] For the Nikāyas and their probable date, *v. inf.*, pp. 195–6.

the distribution of power in Northern India, had been different from what it afterwards became.

In an appendix to the Dīgha verse the names of the seven kings of the seven nations are given, and it is curious that they are called the seven Bhāratas. Their names are Sattabhu, Brahmadatta, Vessabhu, Bharata, Reṇu, and two Dhaṭaraṭṭhas; but the record does not tell us which of the seven nations each belongs to. In an interesting story at Jātaka III, 470[1], the hero is Bharata, king of the Sovīras, reigning at Roruva. This is most probably meant for the same man as the Bharata of the Dīgha passage; and we may therefore apportion him to the Sovīras. The mention of Reṇu in a list of ancient kings of Benares given in the Dīp. III, 38–40 probably refers to the Reṇu of our passage since the same rare name is given in both places as the name of the father of Reṇu. On the other hand the King Reṇu of Jātaka IV, 144 is evidently not meant to be the same as this one. Three of the other four names also recur (not Sattabhu); but no inference can be drawn that the same people are meant.

There are lists of pre-Buddhist Rājas (whatever that term may signify) in the chronicles and commentaries. But they can only be evidence of beliefs held at a late date; they have not yet been tabulated or sifted; and it would not be safe to hazard a prophecy that, even when they shall have been, there will be found anything of much value.

2. India in the Buddha's time; the Clans

There is no chapter or even paragraph in the early Pāli books describing the political conditions of North India during the lifetime of the Buddha. But there are a considerable number of incidental references, all the more valuable perhaps because they are purely incidental, that, if collected and arranged, give us a picture, no doubt imperfect, but still fairly correct as far as it goes, of the general conditions, as they appeared to the composers of the paragraphs in which the incidental references occur. They were collected in the present writer's *Buddhist India*; and to that work the reader is referred for a fuller account. Considerations of space render it possible to state here only the more important of the conclusions which these references compel us to draw.

[1] The references are to the Pāli text of the Jātaka. In the English translation the volumes correspond, and the pages of the original are indicated in square brackets.

Of these the most far-reaching, and in some respects the most urprising, is the fact that we find not only one or two powerful nonarchies, and several kingdoms of lesser importance—like the German duchies or the kingdoms in England at the time of the Heptarchy—but also a number of republics; some with complete, ome with a more or less modified independence; and one or wo of very considerable power. This reminds us of the political ituation at about the same period in Greece. We shall find a imilar analogy, due to similar causes, in other matters also. If not pressed too far the analogy will be as useful as it is certainly nteresting.

The following is a list of the republics actually referred to by name in the oldest Pāli records. Some mentioned by Megasthenes are added to it.

1. The Sākiyas, capital Kapilavatthu
2. The Bulis, capital Allakappa
3. The Kālāmas, capital Kesaputta
4. The Bhaggas, capital on Suṃsumāra Hill
5. The Koliyas, capital Rāmagāma
6. The Mallas, capital Pāvā
7. The Mallas, capital Kusinārā
8. The Moriyas, capital Pipphalivana
9. The Videhas, capital Mithilā
10. The Licchavis, capital Vesālī

11–15. Tribes, as yet unidentified, mentioned by Megasthenes

Nos. 1–10 occupied in the sixth century B.C. the whole country east of Kosala between the mountains and the Ganges. Those mentioned, as is reported in other authors, by Megasthenes seem to have dwelt in his time on the sea-coast of the extreme west of India north of the gulf of Cutch[1]. It is naturally in relation to the Sākiyas that we have the greatest amount of detail. Their territory included the lower slopes of the Himālayas, and the glorious view of the long range of snowy peaks is visible, weather permitting, from every part of the land. We do not know its boundaries or how far it extended up into the hills or down into the plains. But the territory must have been considerable. We hear of a number of towns besides the capital—Chātumā, Sāmagāma, Khomadussa, Silāvatī, Medaḷumpa, Nagaraka, Ulumpa, Devadaha, and Sakkara. And according to an ancient tradition preserved in the Commentary on the Dīgha[2] there were 80,000

[1] M'Crindle, *Ancient India as described by Megasthenes*, p. 144, cf. p. 156.

[2] See Rh.D., *Dialogues of the Buddha*, I, 147.

families in the clan. This number (it is noteworthy that the auspicious number 84,000 was not chosen) would, allowing for children and dependents, mean a population of at least half a million. It would be absurd to take this tradition as a correct, or even as an official enumeration. We do not even know who first made the calculation. But it would be equally absurd deliberately to ignore it. It is at least interesting to find that even as late as Buddhaghosa the traditional estimate of the number of the Sākiyans was still, in spite of the temptation to magnify the extent of the 'kingdom' which the Buddha renounced, so limited and so reasonable as this.

The administrative business of the clan, and also the more important judicial acts, were carried out in public assembly, at which young and old were alike present[1]. The meetings were held in a mote-hall—a mere roof supported by pillars, without walls. It is called *santhāgāra*, a technical term never used of the council chamber of kings[2].

We have no account of the manner in which the proceedings were conducted in the Sākiya mote-hall. But in the *Mahā-Govinda* Suttanta there is an account of a palaver in Sakka's heaven, evidently modelled more or less on the proceedings in a clan meeting. All are seated in a specified order. After the president has laid the proposed business before the assembly others speak upon it, and Recorders take charge of the unanimous decision arrived at[3]. The actions of gods are drawn in imitation of those of men. We may be sure that the composers and repeaters of this story, themselves for the most part belonging to the free clans (and, if not, to neighbouring clans familiar with tribal meetings) would make use of their knowledge of what was constantly done at the mote-hall assemblies. This is confirmed by the proceedings adopted in the rules observed at formal meetings of the Chapters of the Buddhist Order. Quite a number of cases are given in the Canon Law[4]; and in no single case, apparently, is there question of deciding the point at issue by voting on a motion moved. Either the decision is regarded as unanimous; or, if difference of opinion is manifest, then the matter is referred for arbitration to a committee of referees[5]. It is even quite possible that certain of the technical terms found in the Rules of the Order (*ñatti* for 'motion,' *ubbāhikā* for 'reference

[1] *D.* I, 91. [2] See the passages quoted at *J.P.T.S.*, 1909, 65.

[3] Translated in *Dialogues*, vol. II, pp. 259–264.

[4] Translated in Rhys Davids' and Oldenberg's *Vinaya Texts*. See especially vol. III, pp. 44 ff. [5] *Vinaya Texts*, III, pp. 49 ff.

to arbitration,' etc.), are taken from those in use at the mote-halls of the free clans. But however that may be, we are justified by this evidence in concluding that the method of procedure generally adopted in the mote-halls was not, as in modern parliaments, by voting on a motion, but rather as just above explained.

A single chief (how or for what period chosen we do not know) was elected as office holder, presiding over the Senate, and, if no senate were in session, over the state. He bore the title of *Rāja* which in this connexion does not mean king, but rather something like the Roman *consul*, or the Greek *archōn*. We hear at one time that Bhaddiya, a young cousin of the Buddha was 'rāja'[1], at another that the Buddha's father Suddhodana (elsewhere spoken of as a simple clansman, Suddhodana the Sākiyan), held that rank[2].

We hear of mote-halls at some of the other towns besides the capital, Kapilavatthu. And no doubt all the more important places had them. The local affairs of each village were carried on in open assembly of the householders held in the groves which, then as now, formed so distinctive a feature in the long and level alluvial plain.

The clan subsisted on the produce of their rice fields and their cattle. The villages were of grouped, not scattered, huts on the margin of the rice field. The cattle wandered in harvest time, under the charge of a village herdsman, through the adjoining forest (of which the village groves were a remnant), and over which the Sākiyan peasantry had common rights. Men of certain special crafts, most probably not Sākiyans by birth—carpenters, smiths, and potters for instance—had villages of their own; and so also had the Brāhmans whose services were often in request for all kinds of magic. The villages were separated one from another by forest jungle, the remains of the Great Wood (the *Mahāvana*), portions of which are so frequently mentioned as still surviving throughout the clanships. The jungle was infested from time to time by robbers, sometimes runaway slaves. But we hear of no crime (and there was probably not very much) in the villages themselves—each of them a tiny self-governed republic.

Tradition tells that the neighbouring clan, the Koliyas, were closely related by descent with the Sākiyas[3]; but we are not told much about the former. Five of their townships besides the

[1] *Vinaya* II, 181. [2] *Digha* II, 52.
[3] *Sumaṅgala* I, 258 ff.

capital are referred to by name:—Halidda-vasana[1], Sajjanela[2], Sāpūga[3], Uttara[4], and Kakkara-patta[5]. Every Koliyan was a Vyagghapajja by surname, just as every Sākiyan was a Gotama; and in tradition the name of their capital Rāmagāma, so called after the Rāma who founded it, is once given as either Kolanagara or Vyagghapajja[6]. The central authorities of the clan were served by a body of peons or police, distinguished, as by a kind of uniform, by a special form of head-dress[7]. These men had a bad reputation for extortion and violence. In the other clans we are told only of ordinary servants. The tradition that the Koliyans and Sākiyans built a dam over the river Rohinī which separated their territories, and that they afterwards quarrelled over the distribution of the store of water[8], may very well be founded on fact.

Of the form of government in the Vajjian confederacy, comprising the Licchavis, the Videhas, and other clans, we have two traditions, Jain and Buddhist[9]. They are not very clear, and do not refer to the same matters, the Jain being on military affairs, while the Buddhist refers to judicial procedure.

THE KINGDOMS. I. KOSALA

Kosala was the most important of the kingdoms in North India during the lifetime of the Buddha. Its exact boundaries are not known. But it must have bordered on the Ganges in its sweep downwards in a south-easterly direction from the Himālayas to the plains at the modern Allahābād. Its northern frontier must have been in the hills, in what is now Nepāl; its southern boundary was the Ganges; and its eastern boundary was the eastern limit of the Sākiya territory. For the Sākiyas, as one of our oldest documents leads us to infer, claimed to be Kosalans[10]. The total extent of Kosala was therefore but little less than that of France to-day. At the same time it is not probable that the administration was very much centralised. The instance of the very thorough Home Rule enjoyed, as we have seen, by the Sākiyas should make us alive to the greater probability that autonomous local bodies, with larger power than the village communities, which were of course left undisturbed, were still in existence throughout this wide territory.

1 *M.* I, 387; *S.* v, 115.
2 *A.* II, 62.
3 *A.* II, 194.
4 *S.* IV, 340.
5 *A.* IV, 281.
6 *Sum.* I, 262.
7 *S.* IV, 341.
8 *Jāt.* v, 412–416.
9 Jacobi, *Jaina Sūtras*, I, xii.
10 *Sutta Nipāta*, verse 422.

One or two of the technical terms in use to describe such powers have survived. *Rāja-bhogga* for example is the expression for a form of tenure peculiar to India. The holder of such a tenure, the *rāja-bhoggo*, was empowered to exact all dues accruing to the government within the boundaries of the district or estate granted to him. But he had not to render to government any account of the dues thus received by him. They were his perquisite. He could hold his own courts, and occupied in many ways the position of a baron, or lord of the manor. But there was a striking difference. He could draw no rent. The peasantry had to pay him the tithe of the rice grown; and though the amount was not always strictly a tithe, and by royal decree could be varied in different localities, the grantee could not vary it. So with the import, or ferry, or octroi duties. The rate of payment, and the places at which the levy could be made, were fixed by the government. We have not enough cases of this tenure to be able to interpret with certainty the meaning of all the details, and limits of space prevent a discussion of them here. But the general principle is quite clear[1]. It shows how easy would be the grant to local notabilities of local government to this extent, and how narrow was the line of distinction between the collection of dues by civil servants or farmers of the taxes and their collection by a grantee in this way. This custom, thus traced back to so early a period in the history of India, seems never to have fallen into abeyance. It certainly, in the period under discussion, was of manifest advantage. But it must be admitted that it is, to English ideas, very strange—so strange that our civilians made the mistake, in Bengal, of regarding all such persons legally empowered to collect the land-tax as landlords, and of endowing them accordingly with the much greater privileges and powers of the English landlord. In the Buddhist period there is no evidence of the existence, in North India, of landlords in our sense of that term.

It was the rise of this great power, Kosala, in the very centre of Northern India, which was the paramount factor in the politics of the time before the Buddhist reform. We do not know the details of this rise. But there are purely incidental references imbedded in the ethical teachings in the Buddhist books which afford us at least hints as to the final manner of it, and as to the date of it. For instance we have the story of Dīghāvu in the

[1] *D.* I, 114, 127, 130: cf. II, 50 and *Divy.*, 620, *Vin.* III, 221, with the Old Commentary at 222, *M.* III, 133, *Jāt.* VI, 344, *Sum. Vil.* I, 245, 246.

'inaya[1]. There Brahmadatta, king of Kāsi, invades Kosala, when Dīghīti was king at Sāvatthī, and conquered and annexed the whole country; but finally restored it to Dīghīti's son, with whom e had become on very friendly terms. Other traditions inform s on the other hand of several invasions of the Kāsi country by e then kings of Kosala, Vaṅka, Dabbasena, and Kaṃsa[2]. And hen that most excellent story, the *Rājovāda* Jātaka[3]—as good in umour as it is in ethics—was first put together to represent two ings in conflict, the quite natural idea was to fix upon kings of Kosala and Kāsi, and the author does so accordingly.

No references have so far been found in the books as to any ontests between Kosala and any other tribe or nationality. It ould seem therefore that the gradual absorption into Kosala of e clans and tribes in the northern part of Kosala as we know it the Buddha's time took place without any such battle, campaign, r siege as was sufficiently striking to impress the popular imagin-tion; but that when Kosala came into contact with Kāsi there nsued a struggle, with varying result and lasting through several eigns, which ended in the complete subjugation of the Kāsi ountry by Kaṃsa, king of Kosala.

As to the approximate period of these events, we see that they ere supposed to have taken place not only before the time of Pasenadi, who was born about the same time as the Buddha and ved about as long, but also before the time of his father the Great Kosalan. We have four kings of Kosala mentioned as aking part in these wars, and cannot be sure that there were not thers who had quieter reigns. It would be enough and more han enough to allow, in round numbers, a century for all these ings. And the period cannot be much longer than that. For he name Brahmadatta could not have been older than towards he close of the Brāhmaṇa literature; and a century and a half efore the birth of the Buddha would about bring us to that.

The king of Kosala in the Buddha's time was Pasenadi. He as of the same age as the Teacher[4]; and though never actually onverted, was very favourable to the new movement, adopted its more elementary teachings, and was fond of calling upon the Buddha either to consult him or simply for conversation. A whole ook of the Saṃyutta[5] is devoted to such talks, and others are corded elsewhere. They are mostly on religion or ethics, but

[1] *Vinaya Texts*, II, 293–305.
[2] *Jāt.* I, 262; II, 403; III, 13, 168, 211; V, 112.
[3] *Jātaka* II, 1.
[4] *M.* II, 124.
[5] The *Kosala Saṃyutta*, *S.* I, 68–102.

some political and personal matters are occasionally mentionec incidentally.

For instance five 'rājas' are introduced discussing a point ii psychology with Pasenadi. Whatever the title may exactly impl; it is probable that we have the leaders of five clans or communitie that, formerly independent, had, at that time, been absorbed int Kosala. Again we hear of a double campaign. In the firs *Ajātasattu, king of Magadha, attacks Pasenadi in the Kāsi countr* and compels him to take refuge in Sāvatthī[1]. In the second Pasenadi comes down again into the plains, defeats Ajātasattu and captures him alive. Then he restores to him the possessio of his camp and army, and lets him go free[2]. The commentarie inform us that he also gave him, on this occasion his daughte Vajirā, to wife[3]. They also give the reasons for the disput between the two kings; but this will be better dealt with unde the next heading. Another conversation arises when the kin comes to tell the teacher of the death of his (the king's) grand mother for whom he expressed his deep devotion and esteem She had died at a great age, specified as 120 years, no doubt round number[4]. At another talk Sumanā, the king's sister, i present, and becomes converted. Desiring to enter the Order sh refrains from doing so in order to take care of this same old lad and attains Arahantship while still a lay-woman[5]. The last an longest talk between the two friends took place at Medaḷumpa i the Sākiya country. The king, in much trouble with his famil and ministers, expressed his admiration, and possibly also som envy, at the manner in which the teacher preserved peace in hi Order. He then took his last leave with a striking declaration o his devotion[6]. But even as they were talking the crisis had come The tradition records that the minister in whose charge the in signia had been left when the king went on alone, had in hi absence, proclaimed the king's son, Viḍūḍabha, as king. Pasenad found himself deserted by all his people. He hurried away t Rājagaha to get help from Ajātasattu, and, worn out by worry an fatigue, he died outside the gates of the city[7]. Ajātasattu gav him a state funeral, but naturally enough left Viḍūḍabha un disturbed.

The first use the latter made of his new position was to invad the Sākiya territory, and slaughter as many of the clan—men

[1] *S.* I, 79.
[2] *S.* I, 82–85.
[3] *Jāt.* II, 404; IV, 343.
[4] *S.* I, 97; cf. *Jāt.* IV, 146.
[5] *S.* I, 69; *Thig.* 16.
[6] *M.* II, 118–124.
[7] *Jātaka* IV, 152.

women, and children—as he could catch. Many however escaped[1], and it is, perhaps, to this remnant that we owe the Piprahwa Tope discovered by Mr Peppé. Elsewhere[2] it has been shown that the reasons given for this invasion were probably not the real ones. But why should the Buddhists have taken pains so elaborately to explain away the fact, unless the fact itself had been indisputable? This is the last we know of Kosala. We hear nothing more of Viḍūḍabha, or of his successors if he had any. When the curtain rises again Kosala has been absorbed into Magadha.

II. Magadha

This was a narrow strip of country of some considerable length from north to south, and about twelve to fifteen per cent. in area of the size of Kosala. Just as Kosala corresponded very nearly to the present province of Oudh, but was somewhat larger, so Magadha corresponded in the time of the Buddha to the modern district of Patna, but with the addition of the northern half of the modern district of Gayā. The inhabitants of this region still call it Magā, a name doubtless derived from Magadha[3]. The boundaries were probably the Ganges to the north, the Son to the west, a dense forest reaching to the plateau of Chotā Nāgpur to the south, and Aṅga to the east. The river Champā had been the boundary between Magadha and Aṅga[4]; but in the Buddha's time Aṅga was subject to Magadha—it is the king, not of Aṅga, but of Magadha, who makes a land-grant in Aṅga (that is a grant of the government tithe)[5], and an Aṅga village is one of the eighty thousand parishes over which the king of Magadha holds rule and sovereignty[6]. All the clansmen in each of these two countries are called by Buddhaghosa, princes[7] (exactly as he elsewhere calls the Sākiyas and Licchavis). The same writer says that the two kingdoms amounted together to 'three hundred leagues[8].' It is reasonable to suppose, as he was born and bred in Magadha, that he was not so very far wrong. But this is said in reference to the time of Bimbisāra. Later on he estimates the area of the whole of the United Kingdom of Magadha, in the time of Ajātasattu, at five hundred leagues. We may conclude from this that, according to the tradition handed down to Buddhaghosa, the

[1] *Dhp. A.* I, 359; *Mahāvaṃsa* VIII, 18, and the *Tīkā* on it.
[2] *Buddhist India*, pp 11, 12.
[3] Grierson in *E.R.E.* VI, 181.
[4] *Jāt.* IV, 454—above, pp. 172–3.
[5] *Dīgha* I, 111
[6] *Vinaya* I, 179.
[7] *Rāja-kumārā*, *Sum.* I, 279, 294. See *Early Buddhism*, 27.
[8] *Yojanas*, *Sum.* I, 148.

size of the kingdom had nearly doubled in the interval. This would be about correct if the allusion were to Ajātasattu's conquests north of the Ganges[1]. As Buddhaghosa however seems to use the larger figures of a date, not after, but at the beginning of those conquests, other wars of which we have no record, to the east or south, may be meant.

The king of Magadha in the Buddha's time, was Bimbisāra. Of his principal queens one was the Kosala Devī, daughter of Mahā-Kosala, and sister therefore of Pasenadi[2]; another was Chellanā, daughter of a chieftain of the Licchavis[3]; and a third was Khemā, daughter of the king of Madda in the Punjab[4]. If the traditions of these relationships be correct they are eloquent witnesses to the high estimate held in other countries of the then political importance of Magadha.

Bimbisāra had a son known as Vedehi-putto Ajātasattu in the canonical Pāli texts, and as Kūṇika by the Jains. The later Buddhist tradition makes him a son of the Kosala Devī; the Jain tradition, confirmed by the standing epithet of Vedehi-putto, son of the princess of Videha, in the older Buddhist books, makes him a son of Chellanā. Buddhaghosa has preserved what is no doubt the traditional way of explaining away the evidence contained in the epithet[5]. But the matter cannot be further discussed here.

One of the very oldest fragments preserved in the canon is a ballad on the first meeting of Bimbisāra and Gotama. In the ballad the latter is called 'the Buddha.' But the meeting took place about seven years before he became the Buddha in our modern sense; and this unwonted use of a now familiar title would have been impossible in any later document[6]. Gotama has only just started on his search for truth. The king, with curious density, offers to make him a captain, and give him wealth. It will be noticed that the king still resides in the palace of the old capital at the Giribbaja, 'the Hill Fort.' Some years afterwards when Gotama returns as a teacher, the king was lodged in the new palace that gave its name to the new capital, Rājagaha, 'the King's House.' The ruins of both these places are still extant; and the stone walls of the Giribbaja are probably the oldest identified remains in India. Dhammapāla says that the place was originally built or planned by Mahā-Govinda, the famous architect,

[1] *V. inf.*, p. 185. [2] *Jāt.* II, 403. [3] Jacobi, *Jaina Sūtras*, I, xii–xv.
[4] *Thig. A.* on 139–143, and *Apadāna* quoted *ibid.* 131.
[5] *Sum.* I, 139. Cf. *Dialogues*, II, 78.
[6] *Sutta Nipāta*, verse 408. See *Dialogues*, II, 2. The ballad is translated in Rh.D., *Early Buddhism*, 31–34.

to whom it was the proper thing to ascribe the laying out of ancient cities[1].

On Gotama's second visit to Rājagaha Bimbisāra presented him with the Bamboo Grove, where huts could be built for the accommodation of the Order[2]—just as he endowed also the opposite teaching[3]. We hear very little about him in the books. He is not even mentioned in three out of the four Nikāyas, and the few references in the fourth are of the most meagre kind. But the Vinaya gives a short account of an attempt made by Ajātasattu to kill his father with a sword[4], and in the closing words of the *Samañña-phala* there is an allusion to the actual murder which he afterwards committed[5]. The commentary on that Suttanta gives a long account of how it happened[6]. The details may or may not be true; but the main fact that Bimbisāra was put to death by his son Ajātasattu may be accepted as historical. The Ceylon chronologists place this event eight years before the Buddha's death, at the time when Bimbisāra, who had come to the throne when he was fifteen, had reigned fifty-two years[7].

On the death of Bimbisāra, his wife, the Kosala Devī, is said by tradition to have died of grief[8]. The government revenues of an estate in Kāsi had been settled upon her by Mahā-Kosala as pin-money on her marriage. At her death the payment of course ceased. Ajātasattu then invaded Kāsi. It seems incredible that this could have been the real motive of the war, unless the kings of that place and time were less expert in inventing pretexts for a war which they wanted than modern kings in Europe. The war itself is however mentioned in the Canon[9], and with some detail. In the first campaign Ajātasattu out-manœuvred his aged uncle, and drove him back upon Sāvatthī. In the next, however, Pasenadi lured his nephew into an ambush, and he was compelled to surrender with all his force. But Pasenadi soon set him at liberty, gave him back his army, and, according to the commentary, gave him also one of his daughters in marriage.

In the opening paragraph of the *Mahā-parinibbāna* Suttanta[10] we hear of Ajātasattu's intention to attack the Vajjian confederacy, and, as the first step in the attack, of his building a

[1] *Vimāna-vatthu Commentary*, p. 82, and above p. 173.
[2] *Vinaya* I, 39.
[3] *Dīgha* I, 111, 127.
[4] *Vinaya* II, 190
[5] *Dīgha* I, 86.
[6] *Sum.* I, 133–136; *Peta-v. A.* 105.
[7] *Dīp.* III, 56–60; *Mhv.* II, 29, 30.
[8] *Jāt.* II, 403.
[9] *Saṃyutta* I, 84–86. Cf. *Dhp. A.* III, 259; *Jāt.* IV, 342.
[10] Rh.D., *Dialogues of the Buddha*, II, 78.

fortress at Pāṭaliputta, the modern Patna, on the south bank of the Ganges, the then boundary between his territory and theirs. The minister in charge of this work was a Brāhman, known to us only by his official title, 'the Rain-maker' (*Vassakāra*). He fled suddenly to the Vajjian capital Vesālī, giving out that he had barely escaped with his life from Ajātasattu. The Vajjians gave him refuge and hospitality. He then dwelt among them, carefully disseminating lies and slanders until he judged the unity of the confederation to be finally broken. Three years after his kindly reception he gave the hint to his master, who swooped down on Vesālī, and destroyed it, and treated his relatives very much as Viḍūḍabha had treated his. We can only hope this ghastly story of dishonour, treachery, and slaughter is a fairy-tale. The question can only be discussed with profit when we have the whole of the commentary before us.

The son of Ajātasattu is mentioned in the Canon[1]. His name was Udāyi-bhadda, and it follows from the statements of the Ceylon Chronicles that he succeeded his father on the throne[2]. This is confirmed in the commentaries[3]. The name also occurs in medieval Jain and Hindu lists, independent no doubt, both of them, of the Buddhist books[4].

III. Avanti

The king of Avanti in the Buddha's time was Pajjota the Fierce, who reigned at the capital Ujjenī. There is a legend about him which shows that he and his neighbour king Udena of Kosambī were believed to have been contemporaries, connected by marriage, and engaged in war[5]. The boundary is not given, but a commentary mentions incidentally that the two capitals were in round numbers fifty *yojanas*, about four hundred miles, apart. We have seen that when the Nikāyas were composed Avanti was considered to have been one of the important kingdoms of India before the Buddha's time[6]. Shortly after the Buddha's death Ajātasattu is said to have been fortifying his capital, Rājagaha, in anticipation of an attack by Pajjota of Avanti[7]. The king of the Sūrasenas, at Madhura, in the Buddha's time, was called Avanti-putto; and was therefore almost certainly the son of a princess of Avanti[8]. The Lalita-vistara gives the personal name of the king

[1] *Digha* I, 50 = *Dialogues*, I, 68.
[2] *Dīp.* V, 97; *Mhv.* IV, 1.
[3] *Smp.* 321; *Sum.* I, 153–4.
[4] *V. inf.*, pp. 189–90.
[5] *Buddhist India*, 4–7.
[6] Above, p. 172. Cf. *Jāt.* IV, 390.
[7] *M.* III, 7.
[8] *M.* II, 83.

of Madhura in the year of the Buddha's birth as Subāhu[1], and this may be the same person.

Avanti became from the first an important centre of the new doctrine we now call Buddhism (in India it was not so called till centuries later). Several of the most earnest and zealous adherents of the *Dhamma* were either born or resided there. Abhaya Kumāra is mentioned[2] and Isidāsī[3] and Isidatta[4] and Dhammapāla[5] and Soṇa Kuṭikaṇṇa[6], and especially Mahā-Kaccāna[7]. The last of these is stated to have been called by the Buddha the most pre-eminent of those of his disciples able to expound at length, both as to form and meaning, that which had been said in short. The last but one, Soṇa, was in a similar way declared to be the most eminent of the disciples distinguished for beauty of expression[8]. In what language were they supposed to have exercised these literary gifts? It was certainly not the religious language then current in the priestly schools of Brāhmanism. This archaic form of speech which has been preserved in the Brāhmaṇas and Upanishads was called by the grammarians *chhāndasa*, 'the language of *chhandas* or Vedic poetry,' to distinguish it from the *laukika* or 'secular' language; and the Buddha had expressly forbidden his 'word' to be put into *chhandas*. Each disciple was to speak the word in his own dialect[9]. It would be a mistake, however, to be misled by the ambiguities of the word dialect, and to suppose it to mean here the language as spoken by any peasantry. The higher ethics and philosophy of 'the Word' could not be discussed in any such dialect. Now for two or three generations before the birth of the Buddha, the so-called Wanderers[10] were in the habit of passing from Avanti to Sāvatthī, from Takkasilā to Champā, discussing in the vernacular, wherever they went or stayed, precisely such questions. They had invented or adapted abstract words and philosophical or ethical terms useful for their purpose, and equally current in all the dialects; while during the same period there had been developed in the rising kingdoms, and especially in Kosala (in the very centre of the regions covered by the Wanderers, and by far the largest and most important of them all) the higher

[1] Ed. Rajendralal Mitra, p. 24.
[2] *Thag. A.* 39.
[3] *Thig. A.* 261–4.
[4] *S.* IV, 288; *Thag.* 120.
[5] *Thag.* 204.
[6] *Vinaya Texts*, II, 32; *Thag.* 369; *Ud.* V, 6.
[7] *Saṃyutta* III, 9; IV, 117; *Aṅguttara* I, 23; V, 46; *Majjhima* III, 194, 223.
[8] Cf. *Dhp. A.* IV, 101.
[9] *Vinaya* II, 139. Cf. the note in *Vinaya Texts*, III, 150.
[10] See *Buddhist India*, 141–146.

terms necessary for legal and administrative purposes. Just as the Christians adopted for their propaganda, not classical Greek but the Greek of the *Koinē*, the varying dialect understood through all the coasts and islands of the Eastern Mediterranean, which they found ready to their hands; so the Buddha and his followers adopted this common form of vernacular speech, varying no doubt slightly from district to district, which they found ready to their hands. The particular form of this common speech, the then Hindustānī, in which the Pāli Canon was composed, was almost certainly, as the present writer ventured to suggest nearly forty years ago on historical grounds[1], and as Professor Franke contends on philological grounds[2], the form that was current in Avanti[3]. If that be so, it could be said that Buddhism, born in Nepāl, received the garb in which we now know it in Avanti, in the far West of India. It is true that no such curt summary of a great movement can be sufficient. But this would be nearer to the facts than that other summary, so often put forward as convenient, that Buddhism arose in Magadha and that its original tongue was Māgadhī[4].

IV. The Vaṃsas

The King of the Vaṃsas in the Buddha's time is called in the Canon Udena[5]. His father's name was Parantapa, and his son's name Bodhi Kumāra[6]. But Udena survived the Buddha[7], and we are not informed whether Bodhi did or did not succeed him on the throne. Tradition has preserved a long story of the adventures of Udena and his three wives. We have it in two recensions—a Pāli one, the Udena-vatthu[8]; and a Sanskrit one, the Mākandika-avadāna[9]. It is quite a good story, but how far each episode may be founded on fact is another question. The capital was Kosambī, the site of which has been much discussed[10]. It seems to have been on the south bank of the Jumna, at a point about 400 miles by road from Ujjenī, and about 230 miles up stream from

[1] Rh.D. in *Trans. Phil. Soc.* 1875. [2] R. Otto Franke, *Pali und Sanskrit*, 1902.

[3] Cf. Windisch, *Algiers Cong. of Orientalists*, 1906; and Rh.D., *Buddhist India*, 140–161.

[4] For this view see the references given by Winternitz, *Gesch. d. ind. Lit.* II, i, p. 10, note 3. [5] *Udāna* VII, 10; *Saṃyutta* IV, 110–113.

[6] *Vinaya* II, 127; IV, 198; *Majjhima* II, 97; *Jātaka* III, 157.

[7] *Peta-vatthu Commentary* 140.

[8] In Norman's *Dhammapada Commentary* I, 161–230.

[9] *Divyāvadāna* 515–544. (Ed. Cowell and Neil.)

[10] For different views see T. Watters, *On Yuan Chwang*, I. 366–9 and Chapter XXI, p. 524, *infra*.

Benares[1]. One route from Ujjenī to Kosambī lay through Vedisa, and other places whose names are given but of which nothing else is at present known[2]. There were already in the time of the Buddha four establishments or settlements of the Order in or near Kosambī, each of them a group of huts under trees. One of them was in the *ārāma* or pleasaunce of Ghosita, two more in similar parks, and one in Pāvāriya's Mango Grove[3]. The Buddha was often there, at one or other of these settlements; and discourses he held on those occasions have been handed down in the Canon. King Udena was at first indifferent or even unfriendly. On one occasion, in a fit of drunken jealousy he tortured a leading member of the Order, Piṇḍola Bhāradvāja, by having a basket full of brown ants tied to his body[4]. But long afterwards, in consequence of a conversation he had with this same man Piṇḍola, he professed himself a disciple. We have no evidence that he progressed very far along the path; but his fame has lasted in a curious way in Buddhist legends. For instance there is an early list of the seven Con-natals (*sahajātā*), persons born on the same day as the Buddha[5]. The details of the lists differ; and already in the Lalita-vistara it has grown into several tens of thousands, still arranged however in seven groups[6]. Many centuries afterwards we find the name of Udena appearing in similar lists recurring in Tibetan and Chinese books[7].

THE FIRST GREAT GAP

The passages referred to above tell us a good deal of the political condition of India during the Buddha's life, and enable us to draw certain conclusions as to previous conditions for some time before the birth of the Buddha. There are also one or two passages in the Canon which must refer to dates after the Buddha's death. Perhaps the most remarkable is the verse in the Pārāyana (a poem now included in the Sutta Nipāta) which, referring to a time when the Buddha was alive, calls Vesālī a Magadha city[8]. Now we know from the *Mahā-parinibbāna* Suttanta that (at the time when that very composite work was put together in its present shape) Vesālī and the whole Vajjian confederacy was considered to have remained independent of Magadha up to the

[1] *Buddhist India*, p. 36.
[2] *Sutta Nipāta*, 1011.
[3] *Vin.* IV, 16; *Sum.* 319.
[4] *Jātaka* IV, 375.
[5] See Rh.D., *Buddhist Birth Stories*, note on p. 68.
[6] *Lalita-vistara* ed. Rajendralal Mitra, p. 109.
[7] Rockhill, *Life*, 16, 17; T. Watters, *On Yuan Chwang*, I, 368.
[8] *Sutta Nipāta*, 1013.

end of the Buddha's life[1]. If therefore the reading in our text of the Pārāyana be correct, the expression 'Magadha city' must be taken in the sense of 'now a Magadha city,' and as alluding to the conquest of Vesālī as described above, p. 185. But it is apparently the only passage in the Canon which takes cognisance of that event. Again in the Aṅguttara we have a *sutta*[2] in which a king Muṇḍa, dwelling at Pāṭaliputta, is so overwhelmed with grief at the death of his wife Bhaddā that he refuses to have the cremation carried out according to custom. But after a simple talk with a *thera* named Nārada he recovers his self-possession. We learn from the chronicles that King Muṇḍa was the grandson of Ajātasattu and began to reign about the year 40 A.B.[3] It is a fair inference from this episode that Pāṭaliputta had already at that time become the capital of Magadha. Nārada is said to have lived in the Kukkuṭārāma, no doubt consisting of a few huts or cottages scattered under the trees in the pleasaunce so called. It was a well-known resting-place for the Buddhist Wanderers, and Asoka is said to have built a monastery on the site of it[4].

The long poem of old Pārāpariya, a *laudator temporis acti,* on the decay of religion since the death of the Master[5], adds nothing to political history. So also the edifying ghost-story recorded in the Peta-vatthu (II, 10) can only, at most, give us the name of a sort of public-works officer at Kosambī shortly after the Buddha's death.

These few details are all that we can glean from the Theravāda Canon concerning the history of India for more than a hundred and sixty years. And the chroniclers and commentators do not add very much more. They have preserved indeed a dynastic list of the kings of Magadha with regnal years of most of the kings. The list is as follows:

Ajātasattu	reigned	32	years
Udāyi-bhadda	,,	16	,,
Anuruddha } Muṇḍa }	,,	8	,,
Nāgadāsaka	,,	24	,,
Susunāga	,,	18	,,
Kālāsoka	,,	28	,,
His 10 sons	,,	22	,,
Nine Nandas	,,	22	,,
Chandagutta	,,	24	,,

[1] *Dialogues*, II, 78–80. [2] *A.* III, 57–63.
[3] *Mahāvaṃsa* IV, 2, 3; *Divyāvadāna* 369.
[4] *S.* V, 171; *A.* V, 342; *M.* I, 350; *Divy.* 368, 434; T. Watters, *On Yuan Chwang*, II, 98, 99.
[5] *Thera-gāthā*, 920–948.

There are other lists extant, not so complete, and not always with the regnal years given, in Jain, Hindu, or Buddhist Sanskrit works. They have been carefully compared and discussed by W. Geiger, in a very reasonable and scholarly way[1]. He comes to the conclusion that, on the whole, the above list is better supported than the others. This may well be the case; but at the same time it must be confessed that the numbers seem much too regular, with their multiples of six and eight, to be very probably in accordance with fact. And we are told nothing at all of any of the other kingdoms in India, or even of the acts of the kings thus named, or of the extent of the growing kingdom of Magadha during any of their reigns. The list gives us only the bare bones of the skeleton of the history of one district.

CHANDAGUTTA

When the curtain rises again we have before us a picture blurred and indistinct in detail, but in its main features made more or less intelligible by what has been set out above.

India, as shown in the authorities there quoted, appeared as a number of kingdoms and republics with a constant tendency towards amalgamation. This process had proceeded further in Kosala than elsewhere; that great kingdom being by far the most important state in Northern India, and very nearly if not quite as large as modern France. It occupied the very centre of the territories mentioned in those authorities; it had its capital near the borders of what is now Nepāl; and it included all the previous states or duchies between the Himālayas on the north and the Ganges on the west and south. The original nucleus of this great kingdom was the territory now the seat of the Gurkhas, and these Kosalans were almost certainly, in the main at least, of Āryan race. For the heads of houses among them (the *gahapatis*) are called *rājāno*, the same as the clansmen (the *kula-puttā*) in the free republics. Of the surrounding kingdoms Magadha, though much smaller, was the most progressive. It had just absorbed Aṅga, and at the last moment we saw it attacking, and with success, the powerful Vajjian confederation. The rise of this new star in the extreme South-East was the most interesting factor in the older picture.

The new picture as shown in the Ceylon chronicles and in the classical authors (especially those based on the statements in

[1] *Mahāvaṃsa* (English translation), Intr. pp. xl–xlvi.

the *Indika* of Megasthenes) show us Magadha triumphant. All the kingdoms, duchies, and clans have lost their independence. Even the great Kosalan dominion has been absorbed. And for the first time in the history there is one paramount authority from Bengal to Afghānistān, and from the Himālayas down to the Vindhya range.

We shall probably never know how these great changes, and especially the fall of Kosala, were brought about. And we have no information as to the degree in which the various local authorities retained any shadow of power. Were the taxes fixed by the central power and collected by its own officers? Or were the local rates maintained and collected by a local authority? If the latter, were the actual sums received paid over to the central office at Pāṭaliputta, or was a yearly tribute fixed by the paramount power? On these and similar questions we are still quite in the dark. But our two sets of authorities, which are quite independent of one another, agree in the little they do tell us.

Unfortunately each set is open to very serious objections. The Chronicles are quite good as chronicles go, and we have them not only complete but well edited and translated. But of course we cannot expect from documents written fifteen hundred years or more ago, any of that historical criticism that we are only just beginning to use in the West. They are written throughout for edification, and in the Mahāvaṃsa sometimes also for amusement; they are in verse, and are not infrequently nearer to poetry than history; and though based on a continuous tradition, that tradition is now lost. On the other hand, the work of Megasthenes, written during the life-time of Chandagutta, is itself lost. What we have are fragments preserved more or less accurately, and with the best intentions, by later Latin and Greek authors. Where what is evidently intended as a quotation from the same passage in Megasthenes is found in more than one of these later authors the presentations of it do not, in several cases, agree. This throws doubt on the correctness of those quotations which, being found in one author only, cannot be so tested. A number of the quotations contain statements that, as they stand, are glaringly absurd —stories of gold-digging ants, men with ears large enough to sleep in, men without mouths, and so on. Strabo therefore calls Megasthenes mendacious. But surely such stories (and other things) only show that Megasthenes was just as ignorant of the modern rules of historical evidence as the Chroniclers were, and for the same reason. Strabo's idea of criticism is no better than that of

those who ignore the Chroniclers on the ground that they are mendacious. As will be seen in Chapter XVI which deals more fully with the Greek and Latin writers on Ancient India, it is more probable that in these fairy-tales of his Megasthenes, like Herodotus before him, had either accepted in good faith stories which were current in the India of his day, or had merely misunderstood some Indian expression.

AGE OF THE AUTHORITIES USED

It remains now to give some account of the literature from which our knowledge of early Buddhism is chiefly derived, and so form some estimate of its value as a source of history. This literature which deals mainly with ethics and religion, grew up gradually among those followers of the Buddha who dwelt in the republics and kingdoms specified above. There are now 27 books, and only three of them deal with the rules of the Order. But these 27 are mostly anthologies of earlier shorter passages. The Pātimokkha for instance—one of the earliest documents—has 227 *suttas*, and they are of the average length of about three lines; and the Sīlas, a string of moral injunctions, are, if taken separately, quite short. But neither of these tracts, each of them already a compilation, now exists as a separate book. They are found only as imbedded in longer works of later date. It took about a century for the more important works, the Vinaya and the four Nikāyas[1], to be nearly finished about as we have them. (See p. 195.)

The next century and a half saw the completion of the supplementary works—the supplements to the Vinaya and the four Nikāyas; the thirteen books of the supplementary fifth Nikāya (much of it based on older material); and the seven Abhidhamma books, mainly a new classification of the psychological ethics of the four Nikāyas.

So far the books had been divided into Dhamma and Vinaya; that is to say, religion and the regulations of the Order. Now, after the close of the canon, a new division begins to appear, that into three Piṭakas (or Baskets) of Vinaya, Sutta, and Abhidhamma. We do not yet know exactly when or why this new division arose and superseded the older one[2]. As late as the fifth cent. A.D. we

[1] The titles of the five Nikāyas are as follows: 1. Dīgha = the long Suttas; 2. Majjhima = the Suttas of medium length; 3. Saṃyutta = Suttas forming connected groups; 4. Aṅguttara = Suttas arranged according to a progressive enumeration (from one to eleven) of the subjects with which they deal; 5. Khuddaka = smaller works and miscellanea.

[2] Perhaps the oldest reference to the three Piṭakas is in Kanishka's Inscr., *Ep. Ind.* VIII, 176.

find Buddhaghosha still putting the Vinaya and the Abhidhamma into the supplementary fifth Nikāya[1], though he and other commentators also use the newer phrase[2].

The authorities on which our account of early Buddhist history is based are therefore the four Nikāyas, with occasional use of other works mainly of such as are included in the fifth or supplementary Nikāya. Concerning the period to which the Nikāyas belong we have some evidence, partly internal and partly external. To take the latter first :

Asoka in the Bhabra Edict recommends his co-religionists the special study of seven selected passages. Two of the titles given are ambiguous. Four of the others are from the four Nikāyas, and the remaining one from the Sutta Nipāta now included in the fifth Nikāya. As was pointed out a quarter of a century ago[3] it is a critical mistake to take these titles as the names of books extant in Asoka's time. They are the names of edifying passages selected from an existing literature. It is as if an old inscription had been found asking Christians to learn and ponder over the Beatitudes, the Prodigal Son, the exhortation to the Corinthians on Charity, and so on. There are no such titles in the New Testament. Before short passages could be spoken of by name in this familiar manner a certain period of time must have elapsed; and we should be justified in assuming that the literature in which the passages were found was therefore older than the inscription[4].

Further, in certain inscriptions in the Asoka characters of a somewhat later date there are recorded names of donors to Buddhist monuments. The names being similar, distinguishing epithets are used—X. who knows Suttantas, X. who knows the Piṭaka (or perhaps the Piṭakas, *Peṭakī*), X. who knows the five Nikāyas. These technical terms as names for books are, with one exception, found only in that collection we now call the Pāli Piṭakas. The exception is the word *Piṭaka*. That is not found in the four Nikāyas in that sense; and even in the fifth Nikāya it is only approximating to that sense and has not yet reached it. One would naturally think, if these Nikāyas had been put together *after* these inscriptions, that they would have used the term in the sense it then had, and has ever since continued to have; more especially as that sense—the whole collection of the books—is so very convenient, and expresses an idea for which they have no other word.

[1] *Attha-sālinī*, 26.

[2] *Ibid.* 27; *Sum. Vil.* I. 15. So also *Mil.* 21, 90; *Thig. A.* 199; *Dhp. A.* III. 385.

[3] Rh.D., *Questions of King Milinda*, I, xxxvii ff.

[4] See *J.P.T.S.*, 1896.

Thirdly, the commentators both in India and Ceylon say that the Kathā-vatthu, the latest book in the three Piṭakas, as we now have them, was composed by Mogglīputta Tissa at Asoka's court at Pāṭaliputta in N. India at the time of the Council held there in the eighteenth year of Asoka's reign. At the time when they made this entry, the commentators held the Piṭakas to be the word of the Buddha, and believed also that the *Dhamma* had been already recited at the Council held at Rājagaha after the death of the Buddha. It seems quite impossible, therefore, that they could have invented this information about Tissa. They found it in the records on which their works were based; and felt compelled to hand it on. Being evidence, as it were, against themselves, it is especially worthy of credit. And it is in accord with all that we otherwise know. Anyone at all acquainted with the history of the gradual change in Buddhist doctrine, and able to read the Kathā-vatthu, will find that it is just what we should expect for a book composed in Asoka's time. It has now been edited and translated for the Pāli Text Society; and not a single phrase or even word has been found in it referable to a later date. It quotes largely from all five Nikāyas[1].

The above is all the external evidence as yet discovered, and the third point, though external as regards the Nikāyas, is internal as regards the Piṭakas. The internal evidence for the age of the Nikāyas is very small, but it is very curious.

Firstly, the four Nikāyas quote one another. Thus Aṅguttara V, 46 quotes Saṃyutta I, 126; but in giving the name of the work quoted it does not say Saṃyutta, but *Kumāri-pañha*—the title of the particular Sutta quoted. The Saṃyutta quotes two Suttantas in the Dīgha by name—the *Sakka-pañha* and the *Brahma-jāla*[2]. It follows that, at the time when the four Nikāyas were put together in their present form, Suttas and Suttantas known by their present titles were already current, and handed down by memory, in the community.

More than that there are, in each of the four Nikāyas, a very large number of stock passages on ethics found in identical words in one or more of the others. These accepted forms of teaching, varying in length from half a page to a page or more, formed part of the already existing material out of which the Nikāyas were composed. Some of the longer Suttantas consist almost entirely of strings of such stock passages[3].

[1] See the passages collected in *Dialogues of the Buddha*, I, pp. xi, xii.
[2] *S.* III, 13 (with a difference of reading), and *S.* IV, 287.
[3] For instance, the *Saṃgiti*, *D.* III, 207.

There are also entire episodes containing names of persons and places and accounts of events—episodes which recur in identical terms in two or more of the Nikāyas. About two-thirds of the *Mahā-parinibbāna* Suttanta consists of such *recurring episodes* or *stock passages*[1]. This will help to show the manner in which the books were built up.

Several conversations recorded in the Nikāyas relate to events which occurred two or three years after the Buddha's death; and one passage (Aṅguttara III, 57–62) is based on an event about 40 years after it.

The four Nikāyas occupy sixteen volumes of Pāli text. They contain a very large number of references to places. No place on the East of India south of Kaliṅga, and no place on the West of India, south of the Godāvarī, is mentioned. The Asoka Edicts, dealing in a few pages with similar matter, show a much wider knowledge of South India, and even of Ceylon. We must allow some generations for this increase of knowledge[2].

At the end of each of the four Nikāyas there are added portions which are later, both in language and in psychological theory, than the bulk of each Nikāya.

All the facts thus emphasised would be explained if these collections had been put together out of older material at a period about half way between the death of the Buddha and the accession of Asoka. Everything has had to be stated here with the utmost brevity. But it is important to add that this is the only working hypothesis that has been put forward. It is true that the old battle cries, such as 'Ceylon books' or 'Southern Buddhism' are still sometimes heard. But what do they mean? The obvious interpretation is that the Pāli Piṭakas were composed in Ceylon—that is, that when the Ceylon *bhikkhus* began to write in Pāli (which was about Buddhaghosa's time) they wrote the works on which Buddhaghosa had already commented. This involves so many palpable absurdities that it cannot be the meaning intended. Until those who use such terms tell us what they mean by them, we must decline to accept as a working hypothesis the vague insinuation of question-begging epithets. We do not demand too much. A working hypothesis need not propose to settle all questions. But it must take into consideration the evidence set out above; and it must give a rational explanation of such facts as that this

[1] See the table of references, and detailed discussion, in the introduction to *Dialogues*, II, 71–77.

[2] This point is discussed more fully in *Buddhist India*, pp. 28–34.

literature does not mention Asoka, or S. India, or Ceylon; and that, though there is a clear progress in its psychology and its Buddhology, it gives no connected life of the Buddha, such as we find in Sanskrit poems and Pāli commentaries.

On the last point the evidence, being very short, may be given here. There are a large number of references to the places at which the Buddha was stopping, when some conversation or other on an ethical or philosophical question took place. These have not yet been collected and analysed. Then there are a small number of short references, in a sentence or two or a page or two, to some incident in his life. And lastly we have two episodes, of a considerable number of pages, describing the two important crises in his career, the beginning and the close of his mission. Out of approximately 6000 pages of text in the four Nikāyas less than two hundred in all are devoted to the Buddha's life.

Of the long episodes the first is in the Majjhima[1], and describes the events of the period from the time when he had first become a Wanderer down to his attainment of *Nibbāna* (or Arahantship) under the Bodhi Tree[2]. The events are not the names and dates of kings and battles, but events in religious experience, the gradually increased grasp of ethical and philosophical concepts, the victory won over oneself. The Vinaya, very naturally, continues this episode down to the time of the founding of the Order, the sending forth of the sixty and the accession of the most famous of the Arahants[3]. This episode covers about seven years, the Vinaya addition to it being responsible for one. The other long episode, about twice as long as the first, describes in detail the events of the last month of the Buddha's life. It is contained in the Dīgha, and forms a whole Suttanta, the *Mahā-parinibbāna* Suttanta, referred to above as a composite document.

We have no space to consider the shorter references; but the following table specifies the more important, arranged chronologically:

1. Youth; three residences. Dīgha II, 21; Aṅg. I, 145.
2. The going forth. Dīgha I, 115; II, 151; Aṅg. I, 146; Majjhima I, 163; S. N. 405–424.
3. His teachers. Majjhima I, 163; Saṃyutta IV, 83; Dīgha III, 126.
4. His trial of asceticism. Majjhima I, 17–24, 114, 167, 240–248.
5. Nibbāna. Majjhima I, 23, 116–118, 167, 173, 248–250; Vinaya I, 1–4.

[1] Vol. I, pp. 163–175 and 240–249. Repeated at vol. II, p. 93, and again p. 212.
[2] The word *Nibbāna* occurs, p. 167.
[3] *Vinaya* I, 1–44.

Explanation of the Path. Saṃyutta III, 66; IV, 34; V, 421; Majjhima I, 135, 300; Vinaya I, 8–14.

Sending out of the Sixty. Saṃyutta I, 105; Vinaya I. 21.

The last month. Dīgha II, 72–168.

The relative age, within the Canon, of each of these passages, as to be considered as a question distinct from that of the books nto which they are now incorporated. Towards the solution of hese questions some little progress has been made, and the tentaive conclusions so far reached are shown in the following table.

GROWTH OF BUDDHIST LITERATURE FROM THE TIME OF THE BUDDHA DOWN TO ASOKA.

1. The simple statements of doctrine now found in identical vords recurring in two or more of the present books—the stock assages or Suttas.

2. Episodes (not of doctrine only) similarly recurring.

3. Books quoted in the present books but no longer existing eparately—the Sīlas, the Pārāyana, the Octades, the Pātimokkha, tc.

4. Certain poems, ballads, or prose passages found similarly ecurring in the present anthologies, or otherwise showing signs f greater age.

5. The four Nikāyas, the Sutta Vibhaṅga and the Khandakas. Approximate dates 100 A.B.

6. Sutta Nipāta, Thera- and Therī-gāthā, the Udānas, the Khuddaka Pāṭha.

7. The Jātakas (verses only), and the Dhammapadas.

8. The Niddesa, the Iti-vuttakas, and the Paṭisambhidā.

9. The Peta- and Vimāna-vatthu, the Apadānas, and the Buddhavaṃsa.

10. The Abhidhamma books, the latest of which is the Kathāvatthu and the oldest, perhaps, the Dhamma-saṅgaṇi.

CHAPTER VIII

ECONOMIC CONDITIONS ACCORDING TO EARLY BUDDHIST LITERATURE

THE following analysis is constructed from a number of incidental allusions to economic conditions in the great Pāli thesaurus of the Jātaka, and, to a more limited extent in the Vinaya, and also in the other books of the Sutta Piṭaka, of which the Jātaka is a part. Dr Fick's admirable monograph *Die sociale Gliederung in Indien* is similarly based. That work deals chiefly with social conditions. The present chapter, on the other hand, is mainly economic in scope, and only in a minor degree sociological. It is true that the evidence is drawn very largely from stories. But it is fairly clear that the folk in those tales have given them a parochial setting and local colour. And this is frequently borne out by the coincident testimony of other books not dealing with folk-lore.

The rural economy of India at the coming of Buddhism was based chiefly on a system of village communities of landowners, or what in Europe is known as peasant proprietorship. The Jātaka bears very clear testimony to this. There is no such clear testimony in it to isolated large estates, or to great feudatories, or to absolute lords of the soil holding such estates. In the monarchies, the king, though autocratic and actively governing, had a right to a tithe on raw produce, collected as a yearly tax; and only to this extent could he be considered the ultimate owner of the soil. All abandoned, all forest land the king might dispose of[1]; and under this right was included the reversion to the crown of all property left intestate or 'ownerless'[2] a custom which may or may not be a survival of an older feudalism. The sovereign was moreover entitled to 'milk money,' a perquisite paid by the nation when an heir was born to him[3], and he could declare a general indemnity for prisoners at any festal occasion[4]. Besides these privileges he

[1] *D.* I, 87.
[2] *S.* I, 89 (*Kindred Sayings*, I, 115); *Jāt.* III, 302[5]; cf. IV, 485; VI, 348.
[3] *Ib.* IV, 323.
[4] *Ib* IV, 176; V, 285; VI, 327.

could impose forced labour or *rājakāriya* on the people, but this may have been limited to the confines of his own estates. Thus the peasant proprietors enclose a deer-reserve for their king, that they might not be summoned to leave their tillage to beat up game for him[1]. A much more oppressive extent of *corvée* is predicted only of a state of civic decay[2]. The tithe on produce was levied in kind, measured out either by the village syndic or headman (*gāma-bhojaka*), or by an official (a *mahāmatta*) at the barn doors[3], or by survey of the crops[4]. Some of the rice and other grain may presumably have been told off for the special granaries kept filled for urgency, in war or famine[5], but Buddhist books make no clear reference to such an institution. The amount levied seems to have varied from $\frac{1}{6}$ to $\frac{1}{12}$[6], according to the decision of the ruling power[7] or other circumstances. And the contributions raised at one or more *gāmas* (villages), rural or suburban, could be made over by a monarch (or by his chief queen[8]) to anyone he wished to endow, e.g., to a daughter on her marriage[9], a minister[10], a Brāhman[11], a merchant, etc.[12] Again, the king could remit the tithe to any person[13] or group[14].

We have no direct evidence of such a tithe or other tax being levied on the commonwealth by any of the republics or oligarchies mentioned in the Buddhist canon, such as the Sākiyas, Koliyas, Licchavis, Mallas, etc.[15] But that they did so raise the state revenue, in the case at least of the Sākiyas, seems to be attested by Asoka's inscription on the Lumbinī or Rummindeī pillar[16]. The tithe thus remitted on the occasion of Asoka's visit to the birthplace of the Buddha, must have been imposed by the Sākiyas at a date prior to the Mauryan hegemony. The Sākiyas and other republics are recorded as meeting for political business at their own mote-halls[17], and must inevitably have had a financial policy to discuss and carry out. That their enactments could be somewhat drastically paternal appears in the case of the Malla clansmen of Kusinārā, who imposed a fine of 500 (pieces) on anyone who 'went not forth to welcome the Blessed One' when he

[1] At Benares, *Jāt.* I, 149; the Añjana Wood at Sāketa, *ib.* III, 270.

[2] *Ib.* I, 339. A certain familiarity with oppressive taxation is suggested by *ib.* V, 99 ff; cf. I, 339; II, 240.

[3] *Ib.* II, 378.

[4] *Ib.* IV, 169.

[5] *Ind. Ant.*, 1896, pp. 261 f.

[6] Cf. Gautama X, 24; Manu. VII, 130; Buhler, *Trans. Vienna Acad.* Jan. 1897; V. A. Smith, *J.R.A.S.*, 1897, 618 f.

[7] *Jāt.* III, 9.

[8] *Ib.* V, 44.

[9] *Ib.* II, 237, 403.

[10] *Ib.* I, 354; VI, 261.

[11] *D.* I, 87; *Jāt.* III, 229.

[12] *Ib.* VI, 344.

[13] *Ib.* IV, 169.

[14] *Ib.* I, 200.

[15] See *Buddhist India*, 22.

[16] *J.R.A.S.* 1898, 546 f.

[17] *D.* I, 91; cf. *Dialogues of the Buddha*, I, 113, n. 2.

drew near, on his tour, to their town[1]. These Mallas were also possessed of a mote-hall (*santhāgāra*) for parliamentary discussions[2] —a class of buildings illustrated by the bas-relief of a celestial House of Lords on the Bhārhut Stūpa[3].

Land might, at least in the kingdom of Magadha, be given away, and in that of Kosala, be sold. In the former case, a Brāhman landowner offers a thousand *karīsas* of his estate as a gift[4]; in the latter, a merchant (by a little sharp practice) entangles an unwilling noble in the sale of a park[5]. And in the law-books we read that land might be let against a certain share of the produce[6]. The holdings too in the arable land, called the *khetta*, of each village would be subject to redistribution and redivision among a family, as one generation succeeded another. It is not clear whether any member of a village community could give or sell any of the *khetta* to an outsider. It is just possible that the old tradition, expressed in the Brāhmaṇas when a piece of land was given as a sacrificial fee—'And the Earth said: Let no mortal give me away!'[7]—may have survived in the villages as a communal, anti-alienising feeling concerning any disintegration of the basis of their social and economic unity. We should anyway expect, from what is revealed in the early Buddhist books, to find such a sentiment upheld, less by the infrequent rural autocrat and his little kingdom of country-seat, tenant-farmers, and serfs, than by the preponderating groups of cultivators, each forming a *gāma*.

When, in the Jātaka legend, a king of Videha abandons the world as anchorite, he is described as renouncing both his capital, the city (*nagara*) of Mithilā, seven *yojanas* (in circumference), and his realm of sixteen thousand *gāmas*[8]. It may sound incredible that a country owning such a wealth of 'villages' should contain but one town, and that so vast in extent, as to suggest inclusion not only of parks but of suburban *gāmas*[9]. There was not, however, any such hard and fast line between *gāma* and *nigama* (small town) to warrant the exclusion, in this description, of some *gāmas* which may have amounted to *nigamas*. A similar vagueness holds between our 'town' and 'village.'

A *gāma* might apparently mean anything from a group of two or three houses[10] to an indefinite number. It was the generic, inclusive term for an inhabited settlement, not possessing the

[1] *Vin.* I, 247 (*Mah.* VI, 36).
[2] *D.* II, 147.
[3] Cunningham, *Stūpa of Bhārhut*, pl. XVI.
[4] *Jāt.* IV, 281.
[5] *Vin.* II, 158 f. (*Cull. V.* VI, 4, 9 f.).
[6] Āpast. II, 11, 28 (1); I, 6, 18 (20).
[7] *Çatap. Br.* XIII, 7, 15.
[8] *Jāt.* III, 365.
[9] *Ib.* VI, 330.
[10] Childers, *Pali Dictionary* s.v.

fortifications of a *nagara*, or the ruler's palace of a *rājadhānī*. The number of inhabitants in the *gāmas* of the Jātaka tales varied from 30 to 1000 families. And family (*kula*), it must be remembered, was a more comprehensive unit than it is with us, including not only father and mother, children and grandparents, but also the wives and children of the sons. *Gāma*, it is true, might be used to differentiate a class of settlement, as in the compound *gāma-nigama*, 'villages and towns'; but it is also used in the wider, looser sense of group as opposed to single house. For instance, a fire, when starting in a house, may extend to the whole *gāma*[1]. When a *bhikkhu* leaves park, forest, or mountain to seek alms, he 'enters the *gāma*[2],' whether it be a neighbouring village, or the suburbs of great Sāvatthī[3].

Of such cities there were but few in Northern India. Less than twenty are named[4]. Six of them only are reckoned by the Thera Ānanda as sufficiently important cities (*mahā-nagarā*) to be the scene of a Buddha's final passing away:—Sāvatthī, Champā, Rājagaha, Sāketa, Kosambī, Benares. Kusinārā, where that event actually took place, he depreciates as not a 'village,' but a jungle 'townlet' (*nagaraka*)[5]. The greatness of Pāṭaliputra (Patna) was yet to come. In the absence of any systematic account of this rural organisation in ancient records, it is better to refrain from laying down any homogeneous scheme. 'No doubt different villages, in different districts, varied one from another in the customs of land-tenure, and in the rights of individual householders as against the community[6].' The jungles and rivers of the vast Ganges valley fostered independent development probably at least as much as the hill-barriers in the Alps have done in the case of Swiss and Italian peasant communities down to this day.

Around the *gāma*, which appears to have been classed as of the country (*janapada*)[7], of the border (*paccanta*)[8], or as suburban, lay its *khetta*, or pastures, and its woodland or uncleared jungle:—primeval forest like the Andhavana of Kosala, the Sītavana of Magadha, the Pācīnavaṃsa-dāya of the Sākiya Territory, retreats traditionally haunted by wild beasts and by gentler woodland sprites, and where Māra, the Lucifer of seductive evil influences, might appear in one shape or another[9]. Different from these were

[1] *Milindapañha*, 47.
[2] *Vin. passim*, e.g. *Cull. V.* v, 12; 29. Cf. *Thīg.* ver. 304; *Comm.* p. 175.
[3] *Jāt.* I, 106; *Psalms of the Brethren*, p. 34, cf. p. 24; *v. inf.* p. 208.
[4] *Buddhist India*, 34 ff.
[5] *D.* II, 146.
[6] *Buddh. Ind.* 44 f.
[7] *Jāt.* I, 318.
[8] *Ib.* I, 215; cf. v. 46.
[9] See *Psalms of the Early Buddhists* I, II *passim*; cf. II, p. 151, n. 1.

such suburban groves as the Bamboo Grove belonging to Magadha's king, the Añjanavana of Sāketa, the Jetavana of Sāvatthī. Through those other uncleared woodlands and moorlands, where the folk went to gather their firewood and litter[1], ran caravan routes, roads that were at times difficult because of swampy passages after rain, and here and there dangerous, less on account of aggressive beasts than because of brigands, not to mention demonic bipeds[2].

Adjoining or merged into these wilder tracts were supplementary grazing pastures[3] of herds of cattle[4] and goats[5],—herds belonging to king[6] or commoners[7]. Commoners customarily entrusted their flocks to a communal neatherd, as we find in the Pennine Alps to-day (*le fromageur*). We find him either penning his herds at night in sheds[8], or, more often, bringing them back every evening and counting them out to the several owners, varying the pasturage from day to day[9]. The official name, *gopālaka,* and the context suggest that dairywork was not usually expected of him so much as sagacity in minding his beasts[10].

The arable ground of the *gāma* lay without the clustered dwellings, since these were apparently enclosed by a wall or stockade with gates (*gāmadvāra*)[11]. Fences[12], snares[13], and field watchmen[14] guarded the *khetta* or *gāmakhetta* from intrusive beasts and birds, while the internal boundaries of each householder's plot were apparently made by channels dug for co-operative irrigation[15]. These dividing ditches, rectangular and curvilinear, were likened, at least in the Magadha *khettas,* to a patchwork robe, and prescribed by the Buddha as a pattern for the uniform of his Order: torn pieces of cast-away cloth sewn together, 'a thing which could not be coveted'[16]. The limits of the whole *khetta* might be extended by fresh clearing of forest land[17]. And whereas the majority of holdings were probably small, manageable single-handed or with sons and perhaps a hired man[18], estates of 1000 *karīsas* (acres?) and more occur in the Jātakas, farmed by Brāhmans[19]. In the Suttas, again, the Brāhman Kasibhāradvāja is employing 500 ploughs and hired men (*bhatikā*)[20] to guide plough and oxen[21].

[1] *Jāt.* I, 317; V, 108. [2] *Ib.* I, 99. [3] *Ib.* I, 388. [4] *Ib.* III, 149; IV, 326.
[5] *Ib.* III, 401. [6] *Ib.* I, 240. [7] *Ib.* I, 194, 388; cf. *Rigveda,* X, 19.
[8] *Ib.* I, 388; III, 149. [9] *A.* I, 205; *M. Dhp. Comm.* I, 157. [10] *A.* V, 350.
[11] *Jāt.* I, 239; II, 76, 135; III, 9; IV, 370 (*nigama*). [12] *Ib.* I, 215.
[13] *Ib.* I, 143, 154. [14] *Ib.* II, 110; IV, 277.
[15] *Dhp.* ver. 80 = 145 = *Therag.* 19; *Jāt.* IV, 167; I, 336; V, 412.
[16] *Vin. Texts* II, 207–9 (*Mah.* VIII, 12). Cf. *Pss. of the Brethren,* p. 152.
[17] *Jāt.* II, 357; IV, 167. [18] *Ib.* I, 277; III, 162; IV, 167. [19] *Ib.* III, 293; IV, 276.
[20] *S.N.* I, 4; cf. *S.* I, 171; *Jāt.* III, 293. [21] *Ib.* II, 165; 300.

Rice was the staple article of food[1]; besides which seven other kinds of grain are mentioned[2]; sugar-cane[3] and fruits, vegetables and flowers were also cultivated.

Instances of collectivist initiative reveal a relatively advanced sense of citizenship in the *gāmas*. The peasant proprietors had a nominal head in the *bhojaka* or headman, who, as their representative at political headquarters and municipal head, was paid by certain dues and fines[4]. But all the village residents met to confer with him and each other on civic and political matters. And carrying the upshot of their counsels into effect, they built new mote-halls and rest-houses, constructed reservoirs and parks, and took turns at a voluntary *corvée* in keeping their roads in repair[5], herein again followed by Alpine peasants of to-day. Women too considered it a civic honour to bear their own part in municipal building[6]. A further glimpse into the sturdy spirit in *gāma*-life is caught in the Jātaka sentiment, that for peasants to leave their tillage and work for impoverished kings was a mark of social decay[7]. Relevant to this is the low social rank assigned to the hired labourer, who is apparently classed beneath the domestic slave[8].

Scarcity owing to drought or to floods is not infrequently referred to, extending even over a whole kingdom[9]. This contradicts the 'affirmation' recorded by Megasthenes[10], that 'famine has never visited India,' unless his informant meant a very general and protracted famine. The times of scarcity in Buddhist records apparently refer only to brief periods over restricted areas.

Nothing in all the foregoing evidence has gone to show that, in the India of early Buddhist literature, the pursuit of agriculture was associated with either social prestige or social stigma. The stricter Brāhman tradition, not only in the law-books, but also in the Sutta Nipāta, the Majjhima Nikāya, and the Jātakas, expressly reserved the two callings of agriculture and trade for the Vaiçya or middle class, and judges them unfit for Brāhman or noble. Thus the Brāhman Esukārī of Sāvatthī considers village and dairy farming as not less the property and province of the Vaiçya than are bow and arrow, endowed maintenance (by alms), and sickle and

[1] *Ib.* I, 340; II, 43, 135, 378; III, 383; IV, 276.
[2] *M.* I, 57; also *yava* (barley) in *Jāt.* II, 110. [3] *Ib.* I, 339; *Vin.* (*Mah.* VI, 35, 6).
[4] *Ib.* I, 199. [5] *Jāt.* I, 199 f. [6] *Ib.* [7] *Ib.* I, 339.
[8] Cf. *D.* I, 51; *A.* I, 145, 206; *Mil.* 147, 331; trs. II, 210, n. 6.
[9] *Vin.* I, 211, 213 ff.; *Vin. Texts*, III, 220, n. 1; *Jāt.* I, 329; II, 135, 149, 367; V, 193; VI, 487.
[10] M'Crindle, *Ancient India as described by Megasthenes*, 32.

yoke, the property and province of noble, Brāhman, and working classes respectively[1]. And here and there, in the Jātaka-book, Brāhmans who engage in agriculture, trade, and other callings are declared to have fallen from their Brāhmanhood[2]. On the other hand, in both Jātakas and Suttas, not only are Brāhmans frequently found pursuing tillage, cow herding, goat keeping, trade, hunting, wood-work or carpentry, weaving, caravan guarding, archery, carriage-driving, and snake-charming[3], but also no reflection is passed upon them for so doing, nay, the Brāhman farmer is at times a notably pious man and a Bodhisat to boot[4]. Dr Fick is disposed to think that the North-western (*Udicca*) Brāhmans of the Kurus and Pañchālas, some of whom came east and settled there, inherited a stricter standard[5]. Nevertheless it is not claimed for the pious ones just mentioned, living near Benares, and in Magadha, that they were *Udicca* immigrants. Even the law-books permit Brāhmans to engage in worldly callings if they are in straitened circumstances, or if they take no active share in the work[6].

As for the Kshatriya clansmen of the republics mentioned above, they were largely cultivators of the soil. For instance, in the *Kunāla* Jātaka, it was the workmen in the fields of the Sākiyan and Koliya '*bhojakas, amaccas,* and *uparājas*' who began to quarrel over the prior turn to irrigate[7]. In the earliest Indian literature agricultural and pastoral concepts play a great part. But even if this implied that a special dignity attached to agriculture, it does not follow that any such tradition survived, if it survived at all, associated with any section of society. There was among Indo-Āryans little of the feudal tie between land and lord with lordship over the land-tillers, which made broad acres a basis for nobility in the West. However they accomplished their prehistoric invasion of the Ganges basin, 'land-grabbing' does not seem to have been carried out *pari passu* with success in generalship. This may have been because the annexation of land to any wide extent meant clearing of jungle. Except among Dravidian and Kolārian towns along the rivers, the task of the invaders was more like that of pioneering settlers in America. And there we

[1] *M.* II, 180. The *Vāseṭṭha-sutta* (*M.* no. 98; *S.N.* III, 9) in spiritualising the term *brāhmaṇa*, reveals the same exclusive sentiment as current.

[2] *Jāt.* IV, 363 f.

[3] *Jāt.* II, 165; III, 293; IV, 167, 276; III, 401; IV, 15; V, 22, 471; II, 200; VI, 170; IV, 207, 457; V, 127.

[4] *Ib.* III, 162.

[5] *Sociale Gliederung in Indien*, 138 f.

[6] E.g. Manu X, 116.

[7] *Jāt.* V, 412.

know that land is not an appanage involving special privileges and entailing special claims, but a commodity like any other.

The slave or servant (*dāsa, dāsī*) was an adjunct in all households able to command domestic service; but slaves do not appear to have been kept, as a rule, in great numbers[1], either in the house, or, as in the West, at mining or 'plantation' work. Their treatment differed of course according to the disposition and capacity of both master and slave. Thus we find, in the Jātaka, the slave, petted, permitted to learn writing and handicrafts besides his ordinary duties as valet and footman, saying to himself that, at the slightest fault he might get 'beaten, imprisoned, branded, and fed on slave's fare'[2]. But of actual ill-treatment there is scarce any mention. Two instances of beating occur, and in both the victims were maids. One lies a-bed repeatedly (to test her pious mistress's temper)[3]; the other fails to bring home wages[4]. Presumably she had been sent to fetch her master's wage, or else had been hired out. But we do not meet with runaway slaves. Slavery might be incurred through capture[5], commuted death sentence, debt[6] voluntary self-degradation[7], or judicial punishment[8]; on the other hand, slaves might be manumitted[9], or might free themselves by payment[10]. They might not, while still undischarged, be admitted into the religious community (*Saṅgha*)[11].

The hireling, wage-earner, day-labourer was no man's chattel yet his life was probably harder sometimes than that of the slave[12] He was to a great extent employed on the larger land-holdings[13] He was paid either in board and lodging, or in money-wages[14] Manu prescribes regular wages both in money and kind for menials in the king's service[15].

In the arts and crafts, a considerable proficiency and specialisation of industry had been reached. A list of callings given in the Milindapañha, reveals three separate industries in the manufacture of bows and arrows, apart from any ornamental work on the same[16]. In the same work, the allusion to a professional winnower of grain indicates a similar division of labour to our own threshing machinists and steamplough-owners who tour in rural

[1] *Vin.* I, 72 (*Mah.* I, 39); *D.* I, 60, 72, 92 f., 104; *Dialogues of the Buddha* I, 19, 101
[2] *Jāt.* I, 451 f. [3] *M.* I, 125. [4] *Jāt.* I, 402 f.
[5] *Ib.* IV, 220; VI, 135. [6] *Ib.* VI, 521; *Therig.* ver. 444.
[7] *Vin.* I, 72 (*Mah.* I, 39, 1); *Sum. Vil.* I, 168. [8] *Jāt.* I, 200.
[9] *D.* I, 72; *Pss. Sisters*, p. 117; *Pss. Brethren*, p. 22; *Jāt.* V, 313.
[10] *Ib.* VI, 547. [11] *Vin.* I, 76 (*Mah.* I, 46 f.). [12] *Jāt.* I, 422; III, 444
[13] *Ib.* III, 406; IV, 43; *S.N.*, p. 12. [14] *Ib.* II, 139; III, 326, 444; V, 212.
[15] Manu VII, 125 f. [16] *Mil.* 331.

districts[1]. As certain grain crops were reaped twice a year[2], this would afford a fairly protracted season of work every few months.

Some trade-names, on the other hand, are as comprehensive as our 'smith.' As with us, this word (*kammāra*) might be applied to a worker in any metal. *Vaḍḍhaki*, again, apparently covered all kinds of woodcraft including shipbuilding, cartmaking[3], and architecture[4], *thapati*, *tacchaka* (lit. planer), and *bhamakāra* or turner being occupied with special modes of woodwork[5]. A settlement of *vaḍḍhakis* is able to make both furniture and seagoing ships[6]. Once more the same worker in stone (*pāsāṇa-koṭṭaka*) builds houses with the ruined material of a former *gāma*, and also hollows a cavity in a crystal as a cage for a mouse[7].

Important handicrafts like the three above named and their branches, the workers in leather, i.e., the leather-dressers, the 'painters,' and others to the number of eighteen were organised into gilds (*seṇi*), according to Jātaka records; but it is to be regretted that only four of the eighteen crafts thus organised are specifically mentioned, 'the woodworkers, the smiths, the leather-dressers, the painters and the rest, expert in various crafts'[8]. At the head of each gild was a president (*pamukha*) or alderman (*jeṭṭhaka*), and these leaders might be important ministers in attendance upon and in favour with the king. Occasionally these functionaries quarrelled, as at Sāvatthī[9]. And it may have been such quarrelling also at Benares that led to the institution of a supreme headship over all the gilds, an office doubled with that of treasurer (*bhaṇḍāgārika*) being founded at that city. It is of interest to note that this innovation in administrative organisation was made at a time when, according to the legend, the monarchy is represented as having been elective, not hereditary, and when the king who appointed, and the man who was appointed, were the sons, respectively, of a merchant and a tailor[10]! The nature and extent of the authority of the *pamukha* over the gilds is nowhere clearly shown. Nor is it clear to what extent the duties of a *bhaṇḍāgārika*, lit. 'houser of goods,' coincided with our word 'treasurer.' It was not confined to the custody of moneys, for the

[1] *Mil.* 201 (perhaps a doubtful rendering; yet there is a professional ploughman in *Jātaka*, II, 165).

[2] Megasthenes; cf. M'Crindle, *op. cit.* 54; *v. inf.* Chapter XVI, p. 404.

[3] *Jāt.* IV, 207. We find *yānakāras*, *rathakāras*, *sakaṭakāras* also so engaged.

[4] *Jāt.* I, 201; IV, 323; *Mil.* 330, 345. [5] *M.* I, 56, 396; III, 144; *Dhp.* ver. 80.

[6] *Jāt.* IV, 159. [7] *Ib.* I, 479. [8] *Jāt.* I, 267, 314; III, 281; IV, 411; VI, 22.

[9] *Ib.* II, 12, 52; cf. *mahāvaḍḍhaki* in *Jāt.* VI, 332.

[10] *Jāt.* IV, 43.

Saṅgha had officials so named[1]; hence it is possible that it referred to a supervision of the goods made or dealt with by a gild or gilds and not only to the king's exchequer.

Nor can we with any certainty fill up the fourteen unnamed gilds. A great many arts and crafts are mentioned in the books, some of them held in less social esteem than others. Among the latter were trades connected with the slaying of animals and work on their bodies, e.g., hunters and trappers, fishermen, butchers, and tanners. Yet other such despised callings were those of snake-charming, acting, dancing and music, rush weaving and chariot-making, the last two because of the despised, probably aboriginal, folk whose hereditary trades they were. Other more honourable crafts were ivory-working, weaving, confectionery, jewelry and work in precious metals, bow and arrow making, pottery, garland-making and head-dressing. Besides these handicrafts, there was the world of river and sea-going folk, the trader or merchant, and, corresponding in a limited way to the first-named, the caravan-escorts and guides or 'land-pilots' (*thala-niyyāmaka*). But although reference is made in connexion with some of these, to a *jeṭṭhaka*, or Elder, no further evidence of civic organisation is forthcoming.

Other instances of trades having *jeṭṭhakas* are seamen, or at least pilots (*niyyāmaka*)[2], garland makers[3], caravan traders and guards[4], and robbers or brigands. We read, e.g., of a little robber-*gāma* in the hills, near Uttara-Pañchāla, numbering 500 families[5].

The learner or apprentice (*antevāsika*, literally 'the boarder') appears frequently in Buddhist books, one of which indicates the relative positions of pupil and master woodwright[6]. But no conditions of pupillage are anywhere stated.

The title of *seṭṭhi* (best, chief), which is so often met with and, without much justification rendered by 'treasurer,' may possibly imply headship over some class of industry or trading. It is clear that the famous *seṭṭhi*, Anāthapiṇḍika of Sāvatthī, the millionaire lay-supporter of the *Saṅgha*, had some authority over his fellow-traders. Five hundred *seṭṭhis*, e.g., attended him in his presentation of the Jetavana to the Buddha[7]. Unless these were convened from different towns, the number in any one town was not limited to one or a few. They are usually described as wealthy, and as engaged in commerce. Dr Fick is probably right in alluding to them as representing the mercantile profession at court[8]. The

[1] *Vin.* II, 176 (*Cull. V.* VI, 21, 2). [2] *Jāt.* IV, 137. [3] *Ib.* III, 405.
[4] *Ib.* I, 368; II, 295, 335. [5] *Ib.* I, 296 f.; II, 388; IV, 430, 433 (Comm.).
[6] *Ib.* I, 251; V, 290 f.; *Attha-sālini*, p. 111.
[7] *Jāt.* I, 93. [8] *Op. cit.*, p. 167 f.

word certainly implied an office (*ṭhāna*[1]) held during life. There might be a chief (*mahā*) *seṭṭhi*, and an *anuseṭṭhi* or subordinate officer[2]; a commentary even refers to the insignia of a *seṭṭhi-chatta* (umbrella of state)[3].

The remarkable localisation of industries revealed in Buddhist literature has already been noticed. This is observable especially in the case of craft-villages of woodwrights[4], ironsmiths[5], and potters[6]. These were either suburban to large cities, or rural, and constituting as such special markets for the whole countryside, as we see in the ironsmiths' *gāma* just cited, to which people came from the *gāmas* round about to have razors, axes, ploughshares, goads, and needles made. On the Ganges or further afield there were trapper *gāmas*, supplying game, skins, ivory, etc.[7]

Within the town we meet with a further localisation of trades in certain streets, if not quarters, e.g., the street (*vīthi*) of the ivory workers in Benares[8], the dyers' street[9], the weavers' 'place' (*ṭhāna*)[10], the Vessas' (*Vaiçyas*, merchants?) street[11].

Combined with this widespread corporate regulation of industrial life, there was a very general but by no means cast-iron custom for the son to follow the calling of the father. Not only individuals but families are frequently referred to in terms of their traditional calling. The smith, e.g., is Smithson; Sāti the fisherman's son is Sāti the fisherman; Chunda the smith is called Chunda Smithson, etc.[12] This, however, is not peculiar to Indian or even to Āryan societies, up to a certain stage of development. Even of our own it was said but half a century ago that the line of demarcation between different employments or grades of work had till then been 'almost equivalent to an hereditary distinction of caste'[13]. In modern India no doubt these lines of demarcation have intensified in the course of centuries, and have split up the industrial world into a, to us, bewildering number of sections, or, as the Portuguese called them, castes.

The Jātakas reveal here and there a vigorous etiquette observed by the Brāhman 'colour' in the matter of eating with, or of the food of, the despised Chaṇḍālas, as well as the social intolerance felt

[1] *Jāt.* I, 122; cf. *Vin. Texts*, I, 102, note 3.
[2] *Vin.* I, 19 (*Mah.* I, 9); *Jāt.* V, 384.
[3] *Vimāna-vatthu* (*Comm.*), 66.
[4] *Jāt.* II, 18, 405; IV, 159, 207.
[5] *Ib.* III, 281.
[6] *Ib.* III, 376, (408).
[7] *Ib.* VI, 71, *nesādagāma*; cf. III, 49; *Therig.* (*Comm.*), 220, *migaluddakagāma*.
[8] *Jāt.* I, 320; II, 197.
[9] *Ib.* IV, 81.
[10] *Ib.* I, 356.
[11] *Ib.* VI, 485.
[12] *M.* I, 256; *D.* II, 127 f. ('*kammāraputto*' and '*kammāro*'); *Jāt.* I, 98, 194, 312; II, 79. Cf. *nesādo* = *luddaputto* = *luddo*, *Jāt.* III, 330 f.; V, 356–8.
[13] J. S. Mill, *Political Economy*, XIV, 2.

for the latter by the burgess class[1]. The Jātaka commentary tells the story of a slave-girl, daughter of a slave and a Khattiya, whose father pretended to eat with her only that she might be passed off before the Kosalans, seeking a nobly born consort for their king, as a thorough-bred Sākiyan[2].

On the other hand, a great many passages from both Jātaka and other canonical books might be quoted to show that the four 'colours' are on the whole to be taken in no stricter sense than we speak of 'lords and commons,' 'noblesse, église, tiers-état,' 'upper, middle, lower classes.' That Brāhmans claimed credit if born of Brāhmans on both sides for generations back[3], betrays the existence of many born from a less pure 'connubium.' In the *Kusa* Jātaka, a Brāhman takes to wife the childless chief wife of a king without 'losing caste' thereby[4]. Elsewhere in the Jātaka-book princes, Brāhmans, Seṭṭhis are shown forming friendships, sending their sons to the same teacher, and even eating together and intermarrying, without incurring any social stigma or notoriety as innovators or militants[5]. The following instances may be quoted:—

A king's son, pure bred, cedes his share of the kingdom to his sister, turns trader and travels with his caravan[6]. A prince, whose wife in a fit of displeasure has returned to her father, apprentices himself at that father's court, without entailing subsequent social disgrace, to the court potter, florist, and cook successively, in order to gain access to her[7]. Another noble, fleeing from his brother, hires himself to a neighbouring monarch as an archer[8]. A prince resigning his kingdom, dwells with a merchant on the frontier, working with his hands[9]. A commentarial tradition represents a child of the Vaccha Brāhmans as the 'sand-playmate' of the little Siddhattha, afterwards the Buddha[10]. A wealthy, pious Brāhman takes to trade to be better able to afford his charitable gifts[11]. Brāhmans engaged personally in trading without such pretext[12], taking service as archers[13], as the servant of an archer who had been a weaver[14], as low-caste trappers[15], and as low-caste carriage-makers[16].

[1] *Jāt.* II, 83 f.; III, 233; IV, 200, 376, 388, 390–2.
[2] *Jāt.* IV, 144 ff.
[3] *D.* I, 93; *M.* II, 156; *Thera-gāthā*, vv. 889, 1170.
[4] *Jāt.* v, 280.
[5] *Jāt.* II, 319 f.; III, 9–11, 21, 249–54, 340, 405 f., 475, 517; IV, 38; VI, 348; 421 f.; Fick, *op. cit.*, VI–XII; *Dialogues* I, 96 ff.
[6] *Jāt.* IV, 84; *Peta-vatthu Comm.* 111 f.
[7] *Ib.* v, 290–3; cf. I, 421 f.
[8] *Ib.* II, 87.
[9] *Ib.* IV, 169.
[10] *Psalms of the Brethren*, 17 (*Vanavaccha*).
[11] *Jāt.* IV, 15 f.
[12] *Ib.* v, 22, 471.
[13] *Ib.* III, 219; v, 127 f.
[14] *Ib.* I, 356 f.
[15] *Ib.* II, 200; VI, 170 ff.
[16] *Ib.* IV, 207 f.

Again, among the middle classes, we find not a few instances revealing anything but caste-bound heredity and groove, to wit, parents discussing the best profession for their son:—writing, reckoning, or money-changing (*rūpa?*), no reference being made to the father's trade[1]; a (low-class) deer-trapper becoming the *protégé* and then the 'inseparable friend' of a rich young Seṭṭhi, without a hint of social barriers[2]; a weaver looking on his handicraft as a mere make-shift, and changing it off-hand for that of an archer[3]; a pious farmer and his son, with equally little ado, turning to the low trade of rush weaving[4]; a young man of good family but penniless, starting on his career by selling a dead mouse for cat's meat at a 'farthing,' turning his capital and his hands to every variety of job, and finally buying up a ship's cargo, with his signet-ring pledged as security, and winning both a profit of 200 per cent. and the hand of the Seṭṭhi's daughter[5].

This freedom of initiative and mobility in trade and labour finds further exemplification in the enterprise of a settlement (*gāma*) of woodworkers[6]. Failing to carry out the orders for which prepayment had been made, they were summoned to fulfil their contract. But they, instead of 'abiding in their lot,' as General Walker the economist said of their descendants, 'with oriental stoicism and fatalism[7],' made 'a mighty ship' secretly, and emigrated with their families, slipping down the Ganges by night, and so out to sea, till they reached a fertile island. Stories, all of these, not history; nevertheless they serve to illustrate the degree to which labour and capital were mobile at the time, at least, when these stories were incorporated in the Buddhist canon, and before that. And they show that social divisions and economic occupations were very far from coinciding. There was plenty of pride of birth, which made intermarriage and eating together between certain ranks an act more or [illegible]graceful to those reckoning themselves as socially h[illegible]ons, especially perhaps among artisans, tended to [illegible] the paternal industry. This was all.

The trade of the trader, dealer, or middleman (*vāṇija*) may well have been largely hereditary[8]. Traditional good-will handed on here would prove specially effective in commanding confidence, and thus be a stronger incentive than the force *a tergo* of caste-rule. There is, however, no instance as yet produced from early Buddhist documents pointing to any corporate organisation of the

[1] *Vin.* I, 77 (*Mah.* I, 49, 1); IV, 128 (*Pāc.* LXIV, 128). [2] *Jāt.* III, 49 ff. [3] *Ib.* II, 87. [4] *Ib.* IV, 318. [5] *Ib.* I, 120 ff. [6] *Jāt.* IV, 159. [7] *The Wages Question*, p. 177. [8] *Jāt.* II, 287; III, 198. It is noteworthy that mining and miners never came on in the Jātaka scenes.

nature of a gild or Hansa league[1]. The hundred or so of merchants who, in the *Chullaka-Seṭṭhi* Jātaka[2], come to buy up the cargo of a newly arrived ship, are apparently each trying to 'score off his own bat,' no less than the pushful youth who forestalled them. Nor is there any hint of syndicate or federation or other agreement existing between the 500 dealers who are fellow passengers on board the ill-fated ships in the *Valāhassa* and *Paṇḍara* Jātakas[3]; or the 700 who were lucky enough to secure Suppāraka as their pilot[4], beyond the fact that there was concerted action in chartering one and the same vessel. Among merchants travelling by land, however, the rank of *satthavāha* or caravan-leader seems to imply some sort of federation. This position was apparently hereditary, and to be a *jeṭṭhaka* or elder, in this capacity, on an expedition, apparently implied that other merchants (*vāṇija*), with their carts and caravan-followers, were accompanying the *satthavāha*, and looking to him for directions as to halts, watering, precautions against brigands, and even as to routes, fording, etc.[5] Subordination, however, was not always ensured[6], and the institution does not warrant the inference of any fuller syndicalism among traders.

Partnerships in commerce, either permanent, or on specified occasions only, are frequently mentioned: the former, in the *Kūṭavāṇija*[7] and *Mahāvāṇija*[8] Jātakas, the latter in the *Pāyāsi* Suttanta[9] and the *Serivāṇija* Jātaka[10]. In the *Jarudapāna* Jātaka[11] there is, if not explicit statement, room for assuming concerted commercial action on a more extensive scale, both in the birth-story and also in its introductory episode. The caravan in question, consisting of an indefinite number of traders (in the birth-story, under a *jeṭṭhaka*), accumulate and export goods at the same time, and apparently share the treasure trove, or the profits therefrom. In the episode the firm also wait upon the Buddha with gifts before and after their journey. These were traders of Sāvatthī, of the class who are elsewhere described as acting so unanimously under Anāthapiṇḍika, himself a great travelling merchant. The *Guttila* Jātaka[12], again, shows concerted action, in work and play, on the part of Benares traders. It is conceivable, however, that

[1] The compound *vaṇiggrāma* is rendered 'merchants' guild' in Macdonell's *Sanskrit Dictionary*.

[2] *Jāt.* I, 122. [3] *Ib.* II, 128; V, 75. [4] *Ib.* IV, 138 ff.; cf. also VI, 34.

[5] Fick, p. 178; *D.* II, 342 f.; cf. *Jāt.* I, 98. [6] *Ib.* I, 108, 368; II, 295; III, 200.

[7] *Jāt.* I, 404 also II, 181. [8] *Ib.* IV, 350. [9] *D.* II, 342. [10] *Jāt.* I, 111.

[11] *Ib.* II, 294 ff.

[12] *Ib.* II, 248; cf. I, 121 for concerted action between dealers in freights.

the travelling in company may have been undertaken as much for mutual convenience in the chartering of a common ship, or the employment of a single band of forest-guards, as for the prevention of mutual under-selling or the cornering of any wares[1]. Merchants are represented, at least as often, as travelling with their own caravan alone. Thus in the first Jātaka[2] two traders, about to convey commodities to some distant city, agree which shall start first. The one thinks that, if he arrive first, he will get a better, because non-competitive price; the other, also holding that competition is killing work (lit. 'price-fixing is like robbing men of life'), prefers to sell at the price fixed, under circumstances favourable to the dealer, by his predecessor, and yields him a start.

The little *aperçus* which we obtain from the Jātakas of the range and objective of such merchants' voyages are so interesting as side-lights on early trafficking as to create regret at their scantiness. The overland caravans are sometimes represented as going 'east and west'[3], and across deserts that took days, or rather nights to cross, a 'land-pilot' (*thala-niyyāmaka*) steering during the cooler hours of darkness by the stars[4]. Drought, famine, wild beasts, robbers, and demons are enumerated as the dangers severally besetting this or that desert route[5]. Such caravans may have been bound from Benares, the chief industrial and commercial centre in early Buddhist days, across the deserts of Rājputâna westward to the seaports of Bharukaccha, the modern Broach[6], and the sea board of Sovīra (the Sophir, or Ophir, of the Septuagint?), and its capital Roruva[7] or Roruka[8]. Westward of these ports there was traffic with Babylon, or Bāveru.

At a later date, say, at the beginning of the first century A.D. the chief objective of Indian sea-going trade is given in the *Milinda*[9] as follows:—

> As a shipowner who has become wealthy by constantly levying freight in some seaport town, will be able to traverse the high seas, and go to Vanga or Takkola, or China, or Sovīra, or Surat, or Alexandria, or the Koromandel coast, or Further India, or any other place where ships do congregate.

Tamil poems testify to the flourishing state of Kāviri-paṭṭinam (Kamara in *Periplus*, Khabari of Ptolemy), capital of Chōḷa, on the Kāveri river, at about the same period, as a centre of inter national trade, especially frequented by Yavana (Yona, Ionian)

[1] On a local 'corner in hay' see *Jāt.* I, 121.

[2] *Ib.* I, 99; cf. 194, 270, 354, 368, 413; II, 109, 335; III, 200, 408; IV, 15 f.; V, 22, 164.

[3] *Ib.* I, 98 f. [4] *Ib.* I, 107. [5] *Ib.* I, 99. [6] *Ib.* III, 188; IV, 137; *Dip.* IX, 26.

[7] *Ib.* III, 470. [8] *D.* II, 235; *Divy.* 544.

[9] *Milindapañha* 359; trans. II, 269 (*S.B.E.* XXXVI).

merchants[1]. According to the Jātaka it was practicable to attain to any of these ports starting from up the Ganges, not only from Champā (or Bhāgalpur, about 350 miles from the sea) but even from Benares. Thus the defaulting woodwrights mentioned above[2] reach an ocean island from the latter city; Prince Mahājanaka sets out for Suvaṇṇabhūmi from Champā[3], and Mahinda travels by water from Patna to Tāmalitti, and on to Ceylon[4]. It is true that the word *samudda*, sea, is occasionally applied to the Ganges[5], nevertheless, if the foregoing stories be compared with the *Saṅkha* Jātaka[6], it becomes probable that the open sea is meant in both. In this the hero, while shipwrecked, washes out his mouth with the salt water of the waves during his self-imposed fast. Again, in the *Sīlānisaṃsa* Jātaka, a sea-fairy as helmsman brings 'passengers for India' by ships 'from off the sea to Benares by river'[7]. Other traders are found coasting round India from Bharukaccha to Suvaṇṇabhūmi[8], doubtless putting in at a Ceylon port; for Ceylon was another bourne of oversea commerce, and one associated with perils around which Odyssean legends had grown up[9]. The vessels, according to Jātaka tales, seem to have been constructed on a fairly large scale, for we read of 'hundreds' embarking on them, merchants or emigrants. The numbers have of course no statistical value; but the current conceptions of shipping capacity are at least interesting.

The nature of the exports and imports is seldom specified. The gold which was exported to Persia as early at least as the time of Darius Hystaspes, finds no explicit mention in the Jātakas. Gems of various kinds are named as the quest of special sea-farers anxious to discover a fortune[10]. 'Silks, muslins, the finer sorts of cloth, cutlery and armour, brocades, embroideries and rugs, perfumes and drugs, ivory and ivory-work, jewelry and gold (seldom silver):—these were the main articles in which the merchant dealt'[11].

As to the inland routes, the Jātakas tell of Anāthapiṇḍika's caravans travelling S.E. from Sāvatthī to Rājagaha and back

[1] Kanakasabhai, *The Tamils 1800 years ago*, quoted by Subba Rao (*v.* Bibliography), p. 81 f. On Chōḷa see *Mahāvaṃsa*, XXI, 13.

[2] *Jāt.* IV, 159.   [3] *Ib.* VI, 34 f.   [4] *Vin.* III, 338 (*Samantapāsādikā*).

[5] *Jāt.* I, 227 ff.; IV, 167 f.; VI, 158, but cf. *M.* I, 493; *S.* II, 32, where *sāgara* is added.

[6] *Jāt.* IV, 15–17.   [7] *Ib.* II, 112.   [8] *Ib.* III, 188.

[9] *Ib.* II, 127 ff. 'The name Lankā does not occur. Tambapaṇṇi-dīpa...probably meant for Ceylon.' *Buddhist India*, 105.   [10] *Jāt.* IV, 21, 139–41.

[11] Rh. D. *Buddhist India*, p. 98; Fick, *op. cit.*, 174.

(about 300 miles)[1], and also to the 'borders,' probably towards Gandhāra[2]. The route in the former journey was apparently planned to secure easy fording of the rivers by following 'the foot of the mountains to a point north of Vesālī, and only then turning south to the Ganges'[3].

Another route south-west from Sāvatthī to Patiṭṭhāna[4], with six chief halting places, is given in the Sutta Nipāta, verses 1011–13[5]. From east to west, traffic, as we have seen, was largely by river, boats going up the Ganges to Sahajāti[6], and up the Jumna to Kosambī[7]. Further westward the journey would again be overland to Sind, whence came large imports in horses and asses[8], and to Sovīra[9] and its ports. Northward lay the great trade route connecting India with Central and Western Asia, by way of Taxila in Gandhāra (Pāli *Takkasilā*), near Rāwalpindi[10], and presumably also of Sāgala in the Punjab. This great road and its southern connexions with the leading cities of the Ganges valley[11] must have been, even in early Buddhistic days, relatively immune from dangers. Instances abound in the Jātakas of the sons of nobles and Brāhmans faring[12], unattended and unarmed[13], to Takkasilā to be educated at this famous seat of Brāhmanical and other learning[14].

There were no bridges over the rivers of India. The *setu* or causeway of Buddhist metaphor[15] is a raised dyke built over shoal water[16]. Only fording-places and ferries for crossing rivers are mentioned in Buddhist literature[17], and cart-ferries in Manu[18].

Food-stuffs for the towns were apparently brought only to the gates, while workshop and bazaar occupied, to a large extent at least, their own special streets within[19]. Thus there was a fish-

[1] *Jāt.* I, 92, 348. [2] *Ib.* I, 377 f.

[3] *Buddh. Ind.* 103. The road followed by the Buddha on his last ministering tour is from Rājagaha to Kusinārā, crossing the Ganges at Patna, with halts at twelve intermediate towns (*gāmas* or *nagaras*), including Vesālī. The remainder of this circuitous route to Sāvatthī lay W.N.W. *D.* II, Suttanta XVI, 81 ff.

[4] Paithan. See map and p. 30, *Buddh. Ind*

[5] Cf. the list in Spence Hardy, *Manual of Buddhism*, 334.

[6] *Vin. Texts*, III, 401. [7] *Ib.* p. 382.

[8] *Jāt.* I, 124, 178, 181; II, 31, 287; cf. Hopkins, *J.A.O.S.* XIII, 257, 372; Fick, *op. cit.* 176.

[9] *Vimāna-vatthu* (*Comm.*) 336.

[10] J. H. Marshall, *Archaeological Discoveries at Taxila* (1913); *Guide to Taxila* (1918).

[11] Of these the route to Rājagaha lay past Sāketa. *Vin. Texts* II, 176 (*Mah.* VIII, 1, 8).

[12] *Jāt.* I, 259; II, 85, 282, 411; III, 122; V, 457, etc., etc. [13] *Ib.* II, 277.

[14] Bühler, *Indian Studies*, No. 3. Fick, *op. cit.*, 62; *Vin. Texts* II, 174 f. (*Mah.* VIII, 1, 6 ff.).

[15] E.g. *Thera-gāthā*, ver. 7, 615, 762; *M.* I, 134; *A.* I, 220; II, 145; *Dh. S.*, § 299.

[16] *Vin. Texts* II, 104 (*Mah.* VI, 28, 12 f.) = *D.* II, 89. [17] *Jāt.* III, 228.

[18] VIII, 404 ff. (*S.B.E.* XXV.) [19] *V. sup.*, p. 208; *Buddh. Ind.* 78.

monger's village at a gate of Sāvatthī[1], greengrocery is sold at the four gates of Uttara-Pañchāla[2], and venison at the cross-roads (*siṅghāṭaka*) outside Benares[3].

The slaughter-houses (*sūnā*) mentioned in the Vinaya[4] were presumably outside also, and near them the poor man and the king's *chef* bought their meat[5], unless by *siṅghāṭaka* we understand street-corners as the places where meat was sold[6]. The great city of Mithilā was, according to the *Mahā-ummagga* Jātaka, composed in part of four suburbs extending beyond each of its four gates, and called not *gāmas*, but *nigamas*. These were named respectively East, South, West, and North Yavamajjhako, translated by Cowell and Rouse 'market-town'[7]. The workshop in the street was open to view, so that the *bhikkhu* coming in to town or village for alms, could see fletcher and carriage-builder at work, no less than he could watch the peasant in the field[8]. Arrows and carriages and other articles for sale were displayed in the *āpaṇa*[9], or fixed shop, or, it might be, stored within the *antarāpaṇa*[10]. In these, or in the portable stock-in-trade of the hawker[11], retail trading constituted a means of livelihood, independently, it might be, of productive industry. The application, judgment, cleverness, and 'connexion' of the successful shopkeeper[12] are discussed in the Nikāyas[13], and among trades five are ethically proscribed[14] for lay believers :—daggers, slaves, flesh, strong drink, poisons.

Textile fabrics[15], groceries and oil[16], greengroceries[17], grain[18], perfumes and flowers[19], articles of gold and jewelry[20], are among the items sold in the bazaars of Jātaka stories and Vinaya allusions, and for the sale of strong liquors there were the taverns (*pānāgāra*, *āpāna*)[21]. But there is no such clear reference made either to a market-place in the town, or to seasonal market-days or fairs.

[1] *Psalms of the Brethren*, 166; cf. *Jāt.* I, 361: 'they went for alms to a village just outside the gates of Benares, where they had plenty to eat.'

[2] *Jāt.* IV, 445. [3] *Ib.* III, 49; cf. *M.* I, 58; III, 91.

[4] *Mah.* VI, 10; *Cull. V.* X, 10, 4. [5] *Jāt.* V, 458; VI, 62.

[6] But cf. *Psalms of the Brethren*, 254: 'out of the four gates to the cross roads.'

[7] *Jāt.* VI, 330 (trans. p. 157); Cunningham, *Stûpa of Bhārhut*, 53. On these bas-reliefs the Jātaka is called *Yava-majjhakiya*.

[8] *Psalms of the Brethren*, 24.

[9] *Jāt.* II, 267; IV, 488; VI, 29; *Vin.* IV, 248; cf. *Cull. V.* X, 10, 4. Cf. *Āpaṇa* as the name of a *nigama*, *M.* I, 359, 447; *S.N.*, *Sela-Sutta* (called a Brāhman *gāma*, *Pss. of the Brethren*, 310).

[10] *Jāt.* I, 55, 350; III, 406. [11] *Ib.* I, 111 f., 205; II, 424; III, 21, 282 f.

[12] *Āpaṇika pāpaṇika.* [13] *A.* I, 115 f. [14] *A.* III, 208.

[15] *Vin.* IV, 250 f. [16] *Ib.* IV, 248–9. [17] *Jāt.* I, 411. [18] *Ib.* II, 267.

[19] *Ib.* I, 290 f.; IV, 82; VI, 336; *Vin. Texts*, III, 343. [20] *Jāt.* IV, 223.

[21] *Ib.* I, 251 f.; 268 f.; VI, 328; cf. *Dhp. Comm.* III, 66.

Such an institution as the *hāṭh*, or barter fair, taking place on the borders of adjacent districts, finds, curiously enough, no mention in the Jātaka-book, though as the late Wm. Irvine wrote, 'it is to this day universal to my personal knowledge, from Patna to Delhi, and, I believe, from Calcutta to Peshawar.' The fêtes often alluded to[1] do not appear to have included any kind of market[2].

The act of exchange between producer and consumer, or between either and a middleman, was both before and during the age when the Jātaka-book was compiled, a 'free' bargain, a transaction unregulated, with one notable exception, by any system of statute-fixed prices. Supply was hampered by slow transport, by individualistic production, and by primitive machinery. But it was left free for the producer and dealer to prevail by competition[3], and also by adulteration[4], and to bring about an equation with a demand which was largely compact of customary usage and relatively unaffected by the swifter fluctuations termed fashion.

Instances of price-haggling are not rare[5], and we have already noticed the dealer's sense of the wear and tear of it[6], and a case of that more developed competition which we know as 'dealing in futures'[7]. The outlay in this case, for a carriage, a pavilion at the Benares docks, men (*purisā*), and ushers (*pātihārā*), must have cut deep into his last profit of 1,000 coins, but he was 20,000 per cent. to the good as the result of it! After this the profit of 200 and 400 per cent. reaped by other traders[8] falls a little flat, and such economic thrills only revive when we consider the well-known story of the fancy price obtained by Prince Jeta for his grove near Sāvatthī from the pious merchant Anāthapiṇḍika, limited only by the number of coins (metal uncertain) required to cover the soil[9].

At the same time custom may very well have settled price to a great extent. 'My wife is sometimes as meek as a 100-piece slave-girl'[10] reveals a customary price. For the royal household, at least, prices were fixed without appeal by the court valuer (*agghakāraka*), who stood between the two fires of offending the king if he valued the goods submitted at their full cost, or price as demanded, and of driving away tradesmen if he refused bribes and cheapened the

[1] *Jāt.* I, 423; III, 446; *Dialogues* I, 7, n 4

[2] 'Market' and 'market-place' are frequently used by translators, but rather inferentially than as literal renderings.

[3] Cf. *Jāt.* III, 282 f.

[4] Cf. *Ib.* I, 220.

[5] *Ib.* I, 111 f., 195; II, 222, 289, 424 f.

[6] *Ib.* I, 99.

[7] *Ib.* I, 121 f.

[8] *Ib.* I, 109; cf. IV, 2.

[9] *Vin.* II, 158 f. (*Cull. V.* VI, 4, 9); *Jāt.* I, 92.

[10] *Jāt.* I, 299.

wares[1]. On the other hand the king might disgust him by too niggardly a bonus[2]. It may also have been the duty of this official to assess the duty of one twentieth on each consignment of native merchandise imported into a city, and of one-tenth, *plus* a sample, on each foreign import, as stated in the law-books of Manu[3], Gautama[4], and Baudhāyana[5]. Such octrois are alluded to in one Jātaka, where the king remits to a subject the duty collected at the gates of his capital[6]. Finally, it may have been his to assess merchants for their specific commutation of the *rājakāriya*, namely, one article sold per month to the king at a discount (*arghāpacayena*[7]).

The 'sample' mentioned above is suggestive of a surviving payment made in kind. That the ancient systems of barter and of reckoning values by cows or by rice-measures had for the most part been replaced by the use of a metal currency, carrying well understood and generally accepted exchange value, is attested by the earliest Buddhist literature. Barter emerges in certain contingencies[8], as e.g. when a wanderer obtains a meal from a woodlander for a gold pin[9], or when among humble folk a dog is bought for a *kahāpaṇa* (*kārshāpaṇa*) *plus* a cloak[10]. Barter was also permitted in special commodities by the law-books ascribed to Gautama[11] and Vasishṭha[12], and was prescribed in certain cases for the *Saṅgha*[13], to whom the use of money was forbidden[14]. Moreover, as a standard of value, it is possible that rice was still used when the Jātaka-book was compiled[15].

But for the ordinary mechanism of exchange we find, in that and all early Buddhist literature, the worth of every marketable commodity, from that of a dead mouse and a day at the festival up to all kinds of prices, fees, pensions, fines, loans, stored treasure, and income, stated in figures of a certain coin, or its fractions[16]. This is either stated, or implied to be, the *kahāpaṇa*. Of the coins called *purāṇas* this literature knows nothing. Other current instruments of exchange are the ancient *nikkha* (*nishka*—a gold coin, originally a gold ornament)[17], the *suvaṇṇa*, also of gold, and

[1] *Jāt.* I, 124 f.; II, 31; *Pss. of Brethren*, 25, 212. [2] *Ib.* IV, 138.
[3] VIII, 398–400; cf. *Jāt.* IV, 132. [4] X, 26. [5] I. x. 18, vv. 14, 15.
[6] *Jāt.* VI, 347. [7] Gaut. X, 35.
[8] There seems to be nothing in the text of *Jātaka* I, 251 (*Vāruṇi Jāt.*) to justify the translator's inference that barter was normal; see *J.R.A.S.*, 1901, p. 876.
[9] *Jāt.* VI, 519. [10] *Ib.* II, 247. [11] VII, 16 f.
[12] II, 37 f. [13] *Vin.* II, 174 (*Cull. V.* VI, 19).
[14] *Vin.* III, 237; II, 294 ff. (*Cull. V.* XII, 1 ff.). [15] *Jāt.* I, 124 f.
[16] For details of prices see Mrs Rhys Davids, *J.R.A.S.*, 1901, pp. 882 f.
[17] Zimmer, *Altindisches Leben*, 259.

such bronze or copper tokens as the *kaṃsa*, the *pāda*, the *māsaka* (*māsha*), and the *kākaṇikā*. Cowry shells (*sippikāni*) are once mentioned[1], but only as we should speak of doits or mites, not as anything still having currency.

That there was instability as to the relative value of standard or token coins in place and time we learn from the Vinaya: 'At that time [of Bimbisāra or Ajātasattu], at Rājagaha, five māsakas were equal to one pāda'[2]. Again, the *nikkha* was valued now at five[3], now at four *suvaṇṇas*[4].

Of substitutes for money, such as instruments of credit, we read of signet rings used as deposit or security[5], of wife or children pledged or sold for debt[6], and of IOU's or debt-sheets (*iṇa-paṇṇāni*)[7]. The bankrupt who, in the Jātaka tale, invites his creditors to bring their debt-sheets for settlement, only to drown himself before their eyes[8], appears in a Milinda simile anticipating the crisis by making a public statement of his liabilities and assets[9]. The entanglement and anxieties of debt as well as the corporate liability belonging to communistic life in a religious order rendered it necessary to debar any candidate from admission to the *Saṅgha* who was a debtor[10]. And the sight of a deposited security recalling the past circumstances of the pledging is instanced in the Milinda as a case of the psychical process of recollection (*sati*)[11].

No definite rates of interest on money loans appear in the early books. But the term which appears in the law-books as 'usury' (*vṛddhi*, Pāli *vaḍḍhi*) is found. Meaning literally profit or increase, it may very early have acquired the more specialised import. There is a tolerant tone concerning the money-lender in a Jātaka tale, where a patron, in enabling a huntsman to better himself, names money-lending (*iṇa-dāna*), together with tillage, trade, and harvesting as four honest callings[12]. Gautama is equally tolerant[13]. But the general tendency of this profession to evade any legal or customary rate of interest and become the type of profit-mongering finds condemnation in other law-books[14]. Hypocritical ascetics are accused of practising it[15]. No one but the money-lender seems to have lent capital wealth for interest as an investment. For instance, only bonds (*paṇṇā*) are spoken of in the case of the generous

[1] *Jāt.* I, 425 f. [2] *Vin.* III, 45. [3] Childers, *Pali Dictionary*, s.v. *nikkho*.
[4] Manu, VIII, 137. For a more detailed discussion see *J.R.A.S.*, 1901, p. 877 ff.
[5] *Jāt.* I, 121. [6] *Ib.* VI, 521; *Therig.* 444.
[7] *Jāt.* I, 230; cf. 227, *paṇṇe āropetvā*. [8] *Ib.* IV, 256.
[9] *Mil.* 131 (text); cf. 279. [10] *Vin.* I, 76 (*Mah.* I, 46); cf. *D.* I, 71 f. [11] p. 80.
[12] *Jāt.* IV, 422. [13] X, 6; XI, 21.
[14] Vas. II, 41, 42; Baudh. I, 5, 10[23-5]; Manu, III, 153, 180; VIII, 152, 153.
[15] *Jāt.* IV, 184.

Anāthapiṇḍika's 'bad debts'[1]. Capital wealth was hoarded, either in the house—in large mansions over the entrance passage (*dvārakoṭṭhaka*)[2]—under the ground[3], in brazen jars under the river bank[4], or deposited with a friend[5]. The nature and amount of the wealth thus hoarded was registered on gold or copper plates[6].

Fragmentary as are the collected scraps of evidence on which the foregoing outlines of social economy have been constructed, more might yet be inferred did space permit. It should, however, be fairly clear from what has been said, that if, during, say, the seventh to the fourth century B.C. it had been the vogue, in India, to write treatises on economic institutions, there might have come down to us the record both of conventions and of theories as orderly and as relatively acceptable to the peoples as anything of the kind in, say, the latter middle ages was to the peoples of Western Europe. But it is a curious fact that often where the historian finds little material to hand wherewith to rebuild, he judges that there never were any buildings. Thus in a leading historical work on economics, revised and enlarged in 1890, the whole subject of the economic ideas of the 'Orient' is dismissed in a single page as being reducible to a few ethical precepts, and as extolling agriculture and decrying arts and commerce; further, that division of labour, though politically free, stiffened into a system of hereditary caste, arresting economic progress, and that the Chinese alone, and only from the seventh century A.D., had any insight into the nature of money and its fiduciary substitutes[7]. But we have been looking behind the ethical precepts of the preacher, and the sectarian scruples of a class, at the life of the peoples of North India, as it survives in the records of their folk-lore, and of the discipline of the brethren in orders who lived in close touch with all classes. And we have seen agriculture diligently and amicably carried on by practically the whole people as a toilsome but most natural and necessary pursuit. We have seen crafts and commerce flourishing, highly organised corporately and locally, under conditions of individual and corporate competition, the leading men thereof the friends and counsellors of kings. We have found 'labour' largely hereditary, yet, therewithal, a mobility and initiative anything but rigid revealed in the exercise of it. And we have discovered a thorough familiarity with money and credit ages before the 'seventh century A.D.'

[1] *Jāt.* I, 227. [2] *Ib.* I, 351; II, 431.
[3] *Ib.* I, 225, 375 f., 424; II, 308; III, 24, 116. [4] *Ib.* I, 227, 323.
[5] *Ib.* VI, 521. [6] *Ib.* IV, 7, 488; VI, 29; cf. IV, 237.
[7] L. Cossa, *Introduction to Political Economy.*

CHAPTER IX

THE PERIOD OF THE SŪTRAS, EPICS, AND LAW-BOOKS

THE later Brāhman literature which, whatever may be the age of its representative works in their present form, undoubtedly had its roots in a period at least as early as the rise of Jainism and Buddhism, may be classified under the four headings—Sūtras, Epic poems, Law-books, and Purāṇas. These belong to two distinct species of literary composition, the Sūtras being broadly distinguished from the others both in form and object.

The purpose of the Sūtras, so called from the word *sūtra* which means 'a thread,' is to afford a clue through the mazes of Brāhmanical learning contained in the Brāhmaṇas. In the form of a series of short sentences they codify and systematise the various branches of knowledge sacred and secular. They are intended to satisfy the needs of a system of oral instruction, so that each step in the exposition of a subject may be learnt progressively and a convenient analysis of the whole committed to memory by the student. The earliest Sūtras are in the priestly language and represent a phase which is transitional between the language of the Brāhmaṇas and Classical Sanskrit as fixed by the grammarians.

The Epics supply the model both for language and form which is followed by the Law-books and the Purāṇas. Their source is to be traced to the traditional recitations of bards who were neither priests nor scholars. Their language is thus naturally more popular in character and less regular than Classical Sanskrit[1]. In many respects it does not conform to the laws laid down by the grammarians, and is ignored by them. This became the conventional language of epic poetry, which was used also in the Law-books, the subject-matter of which was taken to a great extent from the Sūtras, and in the Purāṇas, which, as they stand at present, belong to a period not earlier than the fourth century A.D. The metres of the Law-books and the Purāṇas are also substantially those of the Epic poems.

[1] Wackernagel, *Altind. Gram.* vol. I, p. xlv.

The period of the Sūtras, Epics, and Law-books thus overlaps that of Buddhist India on the one hand, and reaches well into the period of the extant Purāṇas on the other. The earliest known Purāṇa precedes the later law-books probably by centuries, as the Sūtras precede the earliest works of Buddhism. Nevertheless it is not only new matter which is offered by the literature, whether legal or epic, but virtually a new phase, a fresh point of view, the life of India as it shows itself under the dominion of the Brāhmans, who have been the real masters of Indian thought for more than three millenniums. It is in fact the continuation under new conditions of the history depicted above, before Jain and Buddhist had arisen.

As we read the works of these important sects we receive the impression that the world of India was one in which the ancient priestly caste had lost its authority; that nobles and wealthy merchants were more regarded than Brāhmans. But it must be remembered that, despite the wide reach of Buddhism when in its full power, it influenced at first only that part of the country where it arose, and that the earlier writings depicting the life and teaching of Buddha represent chiefly the circumstances found in a very circumscribed area, in fact just the area where Brāhmanism was weakest. The elements of social life were the same here as elsewhere, but they were not arranged in the same way. The stronghold of Brāhmanism lay to the West, and there the priest had had his say and built up his power among clans boasting direct descent from Vedic heroes and more inclined to bow to the mysterious Vedic word of which the only custodian was the Brāhman priest. In short, as Brāhmanism exaggerates the power of the priest, so Buddhism belittles it unduly, not because it sets out to do so but because each represents a special point of view based more or less upon geographical position. Owing, however, to a still later interpretation of caste, our modern ideas on the subject are apt to be peculiarly confused. To understand the social order into which we enter as we begin the study of the Sūtras, epics, and law-books, we must renounce altogether the notion of caste in its strict modern sense, as on the other hand we must free ourselves from the thought that the whole caste-system is merely a priestly hypothesis disproved by the conditions revealed in Buddhistic writings.

In point of fact, even the Buddhist writings recognise the formal castes; and it is simply impossible that a social structure so widely pervading as that of the so-called castes, a structure revealed not by didactic works alone but implicitly as well as

explicitly presented to us in every body of writings whether orthodox or heterodox, should have been made out of whole cloth. What we loosely call by this name to-day are later refinements; and we do not need to turn to Buddhist works to show that in ancient times the castes were merely orders socially distinct but not very strictly separated or ramified into such sub-divisional castes as obtain at the present time.

Yet before giving the proof of this in detail, it will be well to consider briefly the chronology of the works to be reviewed in relation to the general character and history of the states in which they arose. The legal literature which begins with the Sūtras and is represented in the epics does not really end at all, as works of this nature continue to be written down to modern times, chiefly by eminent jurists who comment on older works. But, after eliminating the modern jurists and confining ourselves to the law-books which may be called classic, we still find that the terminus falls well into the middle of the first millennium of our era; and as the beginning of this literature in Sūtra style reaches back at least as far as this before the beginning of our era, the whole period is rather more than a thousand years, about the middle of which must be set the time to which the epic poems are to be assigned as works already known and perhaps nearly completed.

The cycle thus designated as a millennium is one of very varied political fortunes; and the social, political, and religious material of the legal and epical literature must necessarily be explained in accordance with the outward changes. What these changes were is described in detail in other chapters of this work. For our present purpose it is necessary only to recount them in outline. At the end of the sixth century B.C., early in the period to which the Sūtras belong, the Persian Empire held two provinces in N.W. India—Gandhāra, the present districts of Peshāwar and Rāwalpindi, and the 'Indian' province, that is to say, the country of the Lower Indus: and the northern part of India generally was dominated by peoples of the Āryan race who had descended from the Punjab and spread eastward for centuries, but not so that the recently acquired territory was thoroughly assimilated to the cults and culture of the invaders, nor so that any one of these invaders had established an empire. Long before the end of this same period, Buddha, Mahāvīra, and other reformers had broken with the cult derived from the Vedic age, and the great empire of Açoka had made a new epoch in political life. This alteration, however, had been introduced, though adventitiously, through outer rather

than inner conditions. After the short campaign in the Punjab, made by Alexander as the conqueror of the Persian Empire, his Indian dominions were, within a few years, absorbed by the growing power of Magadha (S. Bihār) then under the sway of a usurper, Chandragupta (c. 321–297 B.C.) the low-born son of Murā and the founder of the Maurya empire. This empire extended from Pāṭaliputra (Patna) to Herāt and was maintained by an army of approximately 700,000 men, the first real empire in India. His successors, Bindusāra and Açoka, enlarged the empire, annexing Kaliṅga on the eastern coast and ruling as far south as Madras. This dynasty continued in power till the end of the Sūtra period; and under it, during the reign of Açoka (c. 274–236 B.C.) Buddhism became the court-religion. Açoka's period is determined by the mention in his edicts of certain Hellenic princes who were his contemporaries, but after his reign there comes a period of less chronological certainty. The different versions of the Purāṇas are not in agreement as to the exact number of his successors; but they are unanimous in asserting that the Maurya dynasty lasted for 137 years; that is to say, it is supposed to have come to an end c. 184 B.C. For over a century after its fall the Çuṅga dynasty, whose founder, Pushyamitra, had slain Bṛihadratha Maurya and usurped his throne, held sway, despite forcible inroads of the Yavanas (Greeks) and the Andhras; and we learn that both Pushyamitra and the Andhra king, Çātakarṇi, performed the famous 'horse-sacrifice,' in accordance with the ancient Vedic rite, thus challenging all opponents of their authority. The son of this Pushyamitra was Agnimitra, who conquered Vidarbha (Berār), then a province of the Andhra Empire of S. India, and the grandson, who guarded the horse, was Vasumitra. These names, as also the re-establishment of the 'horse-sacrifice,' are highly significant in that they show a renascence of the Vedic religion and a consequent decline in Buddhism. The same thing is indicated by the fact that Khāravela, a king of Kaliṅga, who boasts of having invaded the Andhra dominions as well as Northern India, was a Jain. Sumitra, the son of Agnimitra, was, according to Bāṇa's historical romance, the *Harshacharita*, miserably slain by Mitradeva, who may perhaps have been a Brāhman of the Kaṇva family which eventually gained the chief power in the state. The account given by the Purāṇas states that the minister Vasudeva slew the tenth and last of the Çuṅga kings and inaugurated a new dynasty, called the Kaṇva dynasty, which lasted for about half a century; but, since the Kaṇvas are definitely styled

'servants of the Çuṅgas' and for other reasons, it seems more probable that the later Çuṅga kings had been reduced to subjection by their Brāhman ministers, and that the lists of these contemporary rulers nominal and actual were wrongly regarded by some late editor of the Purāṇas as successive. It is further related that one of the Andhra kings[1] slew Suçarman, the last of the Kaṇvas, and thus brought Magadha under the sway of the sovereigns, whose names and titles, as well as their sacrificial inscriptions, show them to have been followers of the ancient Vedic religion. But here again it appears that dynastic lists have been brought together and arranged in an unreal sequence. There can be little doubt that the first of the Andhra kings was earlier in date than the first of the Çuṅgas, and not 157 years later as would appear from the Purāṇas. It is indeed doubtful if the Andhras ever ruled in Magadha: but their sway in Central and Southern India lasted until the middle of the third century A.D.[2]

In the meantime, on the decline of the Maurya empire which must have set in soon after the death of the Emperor Açoka (c. 236 B.C.), the Punjab passed into the hands of foreign invaders—first, Greeks from the kingdom of Bactria to the north, and subsequently Scythians (Çakas) and Parthians (Pahlavas) from the kingdom of Parthia to the west. The kingdoms established by these new-comers in the Punjab were overwhelmed by still another wave of invasion from the north. The Kushāṇas, a people from the region of China who had driven the Çakas out of Bactria, began their Indian conquests with the overthrow of the kingdom of Kābul about the middle of the first century A.D., and extended their power until, in the reign of Kanishka (probably 78 A.D.), the patron of that branch of the Buddhist Church which is called the Mahāyāna, the Kushāṇa empire was paramount in N. India[3].

In Western India we can to some extent trace from inscriptions and coins the varying fortunes in the conflict between the Andhras and the invaders of N. India, and the establishment in Kāthiāwār and Cutch of a dynasty of Çaka satraps, originally no doubt feudatories of the Kushāṇas, which lasted till c. 390 A.D. when it was overthrown by the Guptas.

The period of the Gupta empire which dates from 319 A.D. is a most important epoch in the history of Sanskrit literature. It is

[1] The Purāṇas say the founder of the dynasty, Simuka, but the chronological difficulties which this statement involves seem to be unsurmountable.

[2] See Chapters XIII (the Purāṇas); XVIII–XX (the Maurya Empire); XXI (Indian Native States); XXIV (the earlier Andhras).

[3] For these foreign invaders of India see Chapters XXII, XXIII.

the golden age of Classical Sanskrit; and in it most of the Purā
and the works belonging to the later legal literature appear
have assumed their present form.

This brief conspectus of the conditions obtaining in In
during the time to which we have to assign the Sūtras, epics, a
legal works will show that other influences than those with wh
we have been dealing hitherto are to be expected; and these a
indeed found, but not to such an extent as might have been anti
pated. These influences are indeed to be traced rather in t
general enlargement of vision of the writers than in specific deta
The simple village life with which for the most part the Sūtras a
concerned, the government of a circumscribed district by a lo
rāja, are gradually exchanged for the life reflected from la
towns and imperial power. Though this is more noticeable in
epics, it may be detected in the later Sūtras and again in the s
later law-books. During this period the power of Buddhism
creased and then, reaching its culmination, began to wane. T
world of India by the second century before Christ was alrea
becoming indifferent to the teaching of Buddhism and was be
reabsorbed into the great permanent cults of Vishṇu and Çi
with which in spirit Buddhism itself began to be amalgamat
The Brāhman priests reasserted themselves; animal sacrific
forbidden by Açoka, were no longer under the royal ban; a
with this open expression of the older cult the whole system
Brāhmanism revived, fostered alike by the temple priests and th
ritualism and by the philosophers, who regarded Buddhism as b
a detestable heresy and a false interpretation of life.

But there is little apparent influence from outside, despite
wider political outlook; and where such influence might be look
for with greatest certainty, namely in the effect of Greek domi
tion, it is practically nil. Only the Yavanas, literally 'Ionia
a people or peoples of Greek descent who may be traced in Ind
literature and inscriptions from the third century B.C. to the sec
century A.D., and who were manifestly a factor of no small
portance in the political history of Northern and Western Indi
they are celebrated as great fighters in the Mahābhārata and ot
literature—remain to show that the conquest of Alexander a
the Greek invasion from Bactria had any result. Other indicati
point rather to Persia than to Hellas. Thus the title Satrap, wh
was continued in use by Alexander, still remains under Çakas a
Kushāṇas to testify to the long Persian dominion in N.W. Ind
Apart from this, political and social relations do not appear to

affected at all either by Hellenic or by Persian influence. Th
native army remains of the same sort, though greatly enlarged
The social theory remains practically the same, save that a plac
among degraded 'outcastes' is given to Yavanas as to othe
barbarians. Architecture and the arts of sculpture, gem-engravin
and coinage do indeed bear witness, especially in the N.W. regio
of India to the influence of Persia and Greece during this period
just as, at a later date, native astronomy was affected, and indee
practically superseded by the system of Alexandria. But the perio
with which we are dealing at present does not make it necessar
to inquire into the relation between India and the outer world i
respect to science. The idea that Indian epic poetry itself is du
to Hellenic influence has indeed been suggested; but as a theor
this idea depends on so nebulous a parallel of plot that it ha
received no support.

CHAPTER X

FAMILY LIFE AND SOCIAL CUSTOMS AS THEY APPEAR IN THE SŪTRAS

THE general period of the Sūtras extends from the sixth or seventh century before Christ to about the second century. It is evident that the different Vedic schools had Sūtras which were revised, or replaced by new Sūtras, at various periods, and that some of these extended into later centuries than others. Thus it would be a mistake to limit all the Sūtras of all the schools to certain centuries. The Sūtras are manuals of instruction; and those which are of interest historically formed but a part of a large volume, which was intended primarily for the guidance of religious teachers and treated mainly of the sacrifice and other religious matters. Except for students of ceremonial details these sacrificial works (Çrauta Sūtras) are of no interest. What concerns us at present is that portion of the whole which goes by the name of Gṛihya and Dharma Sūtras, that is, manuals of conduct in domestic and social relations. In some cases the rules given in these two divisions are identical; and the two divisions are treated in such a way as to condense one division for the sake of not repeating directions given in the other. For our purpose they may be regarded as forming one body containing rules of life not especially connected with the performance of the greater sacrifices. They differ mainly as representing the views of different schools on minute points or as products of different parts of the country, and as earlier or later opinions. All of them claim to be based upon Vedic teaching. Thus the Gṛihya and Dharma Sūtras of Āpastamba form but a few chapters of a work called the Kalpa, of which twenty-four chapters teach the proper performance of sacrifice and only two treat of the sacred law, while one abridged chapter gives the rules for the performance of domestic ceremonies. Again this special 'law-book' is not a law-book having universal application, but is a product of a Vedic school belonging to the Andhras in the south-east of India; and, thirdly, it combats some of the opinions expressed by writers on the same subject. Somewhat similar conditions prevail in the case of the other Sūtras.

They are, in short, local manuals which form complete wholes only by virtue of their subject-matter, but which, to their authors, were merely sections of a greater work, the chief importance of which lay in the handing down of traditional knowledge in regard to religious practices. They may be regarded, however, as the first steps in the evolution of legal literature; for the metrical Çāstras or law-books are only the extension and completion of the rules of the Dharma Sūtras, with a gradual increase in the part allotted to civil and criminal law and a relaxation of the bond connecting the Sūtras with definite Vedic sects. The Dharma Sūtras are more universal; the Gṛihya Sūtras reflect individual schools. But even the Gṛihyas are not *Çrauta* (divinely revealed), but *Smārta* (sacred tradition).

The content of the Gṛihya Sūtras, as is implied by the name, is narrower than that of the Dharma Sūtras. The first contain, however, to all students of folk-lore a store-house of material in regard to rites and superstitions connected with home life, such as no other body of literature in the world presents. In the first place, the life of man is traced religiously from boyhood to burial. Every important phase of a man's existence is accompanied with its appropriate rite; and, incidentally, what to do and what not to do, injunctions, prohibitions, taboos, are taught as general rules of conduct. The greater events, birth, marriage, death, are described in their religious setting, each with minute detail, so that not only are the sacred texts cited which should be repeated on every occasion, but the physical acts to which the texts are ancillary are described. For example, such a text must be repeated while a dead man's bones are being collected. The one who collects them must pick them up with such and such fingers and place them in just such a jar. The wedding verses are indicated; the bride must make just so many steps and pour out grain with her hands held in just such a position, etc. Some of the Vedic schools, instead of embracing all the Sūtras in one work as a Kalpa Sūtra, have apparently laid so much stress on these domestic rites that the manuals have become independent works, thus fore-shadowing what happened later in the case of the Çāstras. The complete work, embracing all kinds of Sūtras, belongs, as was to be expected, to the Yajurveda schools, since the priests of this Veda were from the beginning particularly concerned with manual exercises, in arranging the altar, etc., and the details of sacrifice; while the priests of the other Vedas had to do more with the recitation and chanting of the sacred texts. Nevertheless, the literature of the

Rigveda also contains both Çrauta and Gṛihya Sūtras, as does that of the Sāmaveda. Finally, the Atharvaveda possesses not only a Vāitāna Çrauta Sūtra but a Kauçika Sūtra, which is in part a Gṛihya Sūtra but contains also directions for carrying out the many magic ceremonies connected with the text of that unique Veda.

The preponderance of domestic ceremonies in the Gṛihya Sūtra results in Dharma, or social, matter being introduced rather adventitiously, as when the rules concerning the choice of wives are given, whereas Gṛihya, domestic, rules belong as much to the Dharma Sūtras as to the Gṛihya Sūtras themselves. The difference is that the weight in the Dharmas is laid on the wider relation of man to the state, so that those sections which deal with the family become condensed and subordinate. Specimens of southern Gṛihya Sūtras are also not lacking. Thus as the Dharma of Āpastamba reflects a South-Indian origin, so also the Gṛihya Sūtra of Khādira belongs to Southern India; and it is an indication that Sūtra literature extends far beyond the time of Buddha that this should be the case. Such also may be surmised to be the fact (rather than that Vedic schools were domiciled in South India at a much earlier period) from the circumstance that the Sūtra of Khādira is a later and more concise version of the Sūtra of Gobhila. There are other examples of this endeavour to revise a Sūtra on lines of economy, each later writer reducing the work of his predecessor as much as possible or convenient, conciseness being the test of Sūtra excellence. Gobhila's work is detailed and lengthy; Khādira's is virtually the same work in condensed form. Everything that could be omitted, such as explanatory digressions, smaller details of ceremonies, etc., was left out, solely to make the work easier to remember. But clearness as well as conciseness was aimed at and attained by a fresh arrangement of the older matter.

An example of the scope and method of a Gṛihya Sūtra may be taken from the directions of Khādira regarding the little oblations to spirits and gods required from a wedded pair. After describing the wedding ceremony, Khādira passes directly to this question of offerings and oblations, describing first briefly the fire used for the purpose of receiving the oblation, thus:

The domestic (*gṛihya*) fire is that at which he has taken her hand (in marriage) or that on which he has put the last piece of wood (as a student before marriage) or a (fresh) fire twirled out (of wood), the last being pure but not tending to prosperity; or he may get his domestic fire from a frying-pan or from the house of a man who makes many sacrifices, Çūdras excepted. The service begins with an evening oblation. After (the fire) has been set in a blaze before sunset or

sunrise, the sacrifice (is performed) after sunset (and) after or before sunrise. He should make an oblation of rice-food fit for sacrifice after washing it, if raw, with his hand (but) with a brass bowl if it is (not rice but) curds or milk, or with the rice-pot. With the words 'Hail to Fire' (he makes oblation) in the middle (of the fire, at eve); secondly in the north-eastern (part of the fire); in the morning, with the words, 'Hail to Sun' (he makes the first oblation). The wiping round and other (acts) except sprinkling (of water round the fire) are here left out. Some say 'let the wife make the oblations,' for this fire is the house-fire and the wife is the house (home). When (the meal) is prepared, evening and morning, she (the wife) must say ('It is) ready,' (and he) must say aloud 'Om'[1], but softly 'May it not fail; to thee[2] be reverence' Of rice-food fit for sacrifice he should make (oblations) to Prajāpati; and to (the form of the Fire-god called) Svishṭakṛit (i.e. good sacrificer) make a *bali* (offering), depositing it outside or inside (the fire-place) in four places: (one) at the water-barrel; (another) at the middle door; (another) at the couch or privy; and (finally, one) at the heap of sweepings; sprinkle each (offering or the ground with water) both (before and afterwards) and pour out what is left with the water toward the south. Of chaff, water, and scum of boiled rice (let him make a *bali* offering) when a donation has been made. The gods to whom the *bali* offerings belong are Earth, Wind, Prajāpati, the All-gods, Water, Herbs, Trees, Space, Love or Wrath, the hosts of Rakshasas, the Fathers, and Rudra. He should make the offering in silence; he should make it of any food (but) make it only once in case (a meal) is prepared at different times; and if (prepared) at different places (then he should make the offering of) what belongs to the house-holder (himself). But of all food he should offer (some) in the fire and give the best to a priest, this he should do himself. He should offer the offerings himself from rice (-harvest) to barley (-harvest) or from barley (-harvest) to rice (-harvest); (yea,) he himself should offer them[3].

It will have been observed that the religious ceremony of the *bali*-offering implies a cult midway between that of the Vedic sacrifice and the sectarian sacrifice not countenanced by the orthodox. The *bali* is a bit of food cast upon the ground at the places named, the recipients being supposed to be the Vedic divinities of a lower order, ending with Rudra, and the hosts of harmful spirits who are thus propitiated. Each divinity has a *bali* in his appropriate place and at the right time. Thus the offering by the couch is for Love; that flung to the north is for Rudra; that by the door is for (personified) Space; and the offerings to the harmful spirits

[1] Om is the sacred syllable, answering in cases like that above to 'very good' (Amen). The evening and morning are mentioned in this order because the evening precedes the day; and only two meals are mentioned because the Hindus eat but twice a day.

[2] In the Sūtras clarity is often sacrificed to brevity. It is not clear here whether the wife or husband speaks or to whom the word 'Thee' refers. Presumably the husband addresses the words to the food itself (compare Gobhila's *Gṛihya Sūtra*, I, 8, 18). The text and translation (by Prof. Oldenberg) of Khādira are published in *S.B.E.* vol. XXIX.

[3] That is from spring till autumn the householder offers barley, and from rice-time till barley-harvest time (autumn till spring) he offers rice. The passage quoted is also translated by Prof. Oldenberg, in *S.B.E.* vol. XXIX, p. 385.

are given at night. The sprinkling of the offering means (probably) the sprinkling of the ground or place where the offering is cast. The Dharma Sūtras also take up this question of offerings. The citation above by implication recognises only the wife as preparer of the meal. But a rich householder may have his meals prepared by a priest or other member of the 'reborn' castes or even by a Çūdra. Special rules are necessary in the last case. The slave-cook, being impure, must have his hair and beard and nails cut daily or at least at stated intervals, and it must be the householder who places on the fire the food prepared by Çūdras. Then in this case it is the cook who says (when the meal is prepared), 'It is ready' and the householder who responds (as Āpastamba gives the rule, with a slight variation) 'Well-prepared food bestows splendour; may it never fail.'

The rites involving the goblins of disaster and disease have naturally a prominent place in the domestic ritual of the Gṛihya Sūtras and afford us glimpses of an otherwise unknown pantheon. The wife herself, who has so little to do with texts, must go outside her house and offer food to 'the white demon with black teeth, the lord of bad women,' and if she bears a child the husband must daily, till the wife's confinement ends, offer rice and mustard in the fire near the door where the wife is confined, dispersing demons whose names are given: 'Çaṇḍa, Marka, Upavīra, Çauṇḍikeya, Ulūkhala, Malimlucha, Droṇāsa, Chyavana,' all indicative of trouble, as are those that follow (apparently a supplementary list), 'Ālikhat, Animisha, Kiṃvadanta, Upaçruti, Haryaksha, Kumbhin, Çatru, Pātrapāṇi, Nṛimaṇi, Hantrīmukha, Sarshapāruṇa, Chyavana, avaunt[1].' But if the child falls ill with epilepsy, the 'dog-disease,' the father cures him by covering him with a net and murmuring,

> Kūrkura, Su-Kūrkura, Kūrkura (it is) who holds fast the children; scat (*chech chet*!), dog, let him go; reverence to thee, Sīsara, barker, bender; true the gods have given thee a boon, and hast thou chosen my boy? Scat, dog, let him go (as before). True, the Bitch of heaven, Saramā, is thy mother, Sīsara is thy father, and Yama's black and speckled dogs thy brothers; but scat, dog, let him go[2].

The demon attacking the boy is here called Kumāra, the cult is obviously demoniac. In general, the Sūtras of this class are concerned not with the greater sacrifices, which are discussed in the Çrauta Sūtra, called the Havis and Soma sacrifices, but with the so-called great sacrifices of food cooked (*pāka*) and offered on

[1] Pāraskara, *Gṛihya Sūtra*, I, 16, 23 f.
[2] *Ib.* 24.

special noon-days and at funeral feasts, four or seven in all, including offerings to serpents as well as to demons and gods[1].

The last of these domestic 'cooked-food' sacrifices introduces a new feature:

> On the full moon day of the month Chaitra he makes (images of) a pair of animals out of meal; (he offers) them and jujube leaves (to the gods); to Indra and Agni a figure with prominent navel; and balls to Rudra (Çāṅkhāyana, *Gṛihya Sūtra*, IV, 19).

These images of meal representing living beings are partly due to the new feeling of pity for animals and the desire not to injure life, which plays a part in Brāhmanism as well as in Buddhism. It must be admitted, however, that economy had something to do with the substitution of animals of meal for real animals, but ostensibly it is a Vishṇuite trait. The general rule in this regard is that attributed to Manu: 'Animals may be killed (so said Manu) at the Madhuparka and Soma sacrifice and at the rites for Manes and gods.' But it is an old rite of hospitality to kill a cow for a guest[2]; and, as a matter of form, each honoured guest is actually offered a cow. The host says to the guest, holding the knife ready to slay the cow, that he has the cow for him; but the guest is then directed to say: 'Mother of Rudras, daughter of the Vasus, sister of the Ādityas, navel of immortality (is she). Do not kill the guiltless cow; she is (Earth itself), Aditi, the goddess. I speak to them that understand.' He adds, 'My sin has been killed and that of so-and-so; let her go and eat grass.' But if he really wants to have her eaten, he says, 'I kill my sin and the sin of so-and-so' (in killing her), and though in many cases the offer of the cow is thus plainly a formal piece of etiquette, yet the offering to the guest was not complete without flesh of some sort; and it is clear from the formulas that any of the worthiest guests might demand the cow's death, though as the 'six worthy guests' are teacher, priest, father-in-law, king, friend, and Āryan 'reborn' man, and all of these were doubtless well grounded in that veneration for the cow which is expressed above by identifying her with Earth (as Aditi), there was probably seldom any occasion to harrow the feelings of the cow-revering host[3]. Pāraskara mentions only the cow but Çāṅkhāyana (*G.S.*, II, 15, 1) already substitutes a goat as a possible alternative; he also mentions the gods to which this animal is

[1] From the full moon of the month Çrāvana, offerings to snakes have to be made daily till it is safe to sleep on the ground again. This is called the *Pratyavarohaṇa* and occurs on the full moon day called *Āgrahāyaṇi*, when one may 'descend again' (from the high couch).

[2] Chapter IV, p. 101.

[3] Pāraskara, *Gṛihya Sūtra*, I, 3, 26.

sacred, that is, he seeks to make the animal offered to the guest a sacrifice to a god. Thus he says that if the animal is offered to the teacher and killed it is 'sacred to the Fire-god'; if it is offered to a king, it is sacred to Indra, and if to a friend (*mitra*) it is sacred to Mitra. Similar additions may be traced in many particulars, sometimes found by comparing one text with another, sometimes clearly interpolated.

The Sūtras, while they do not recognise the sects of later days, yet point to the different conception of deity embodied in the two great modern sects worshipping Rudra-Çiva and Vishṇu. Thus, as above, Rudra and the Rakshasas are also associated in the rule: 'When one repeats a text sacred to Rudra, to the Rakshasas, to the Manes, to the Asuras, or one that contains an imprecation, one shall touch water' (Çāṅkh., *G.S.*, I, 10, 9). On the other hand, when the bridegroom leads the bride to take the seven steps, which form part of the wedding ceremony, he murmurs a blessing at every step: 'One for sap, two for juice, three for prosperity, four for comfort, five for cattle, six for the seasons, Friend! be with seven steps (mine); be thou devoted to me.' And after each clause he says 'may Vishṇu lead thee.' Similarly, the fact that Vaiçravaṇa (Kubera) and Īçāna (Rudra-Çiva) are worshipped 'for the bridegroom' point to the phallic nature of these cognate spirits (Pār., *G.S.*, I, 8, 2; Çāṅkh., *G.S.*, I, 11, 7).

The Gṛihya Sūtras show that there was no one rite of universal acceptation in those ceremonies most intimately connected with domestic felicity. Indeed, the author of the Āçvalāyana Gṛihya Sūtra (I, 7, 1) says expressly that in the matter of weddings, 'customs are diverse,' and he gives only that which is common usage. Thus he tells how the bride is to go about the fire, mount the stone, pour out grain, gaze at the pole-star, etc., but does not mention other rites which other Gṛihya Sūtras enjoin. Some of these, however, are of universal interest; and a comparison of the Hindu ceremonies with those of other Āryan-speaking peoples shows that in all probability the Indian ritual has preserved elements reaching far back into prehistoric times[1].

[1] On this point, cf. Haas and Weber, *Indische Studien*, vol. V; L. von Schroeder, *Die Hochzeitsgebräuche der Esten und einiger anderer finnisch-ugrischer Völkerschaften in Vergleichung mit denen der indogermanischen Völker* (1888); M. Winternitz, *Das altindische Hochzeitsrituell...mit Vergleichung der Hochzeitsgebräuche bei den übrigen indogermanischen Völkern* (1892); also a paper by the last writer on the same subject in the *Transactions of the National Folk-lore Society* (Congress, 1891–2), and one by Th. Zachariae, '*Zum altindischen Hochzeitsrituell*' (*Wiener Zeitschrift für die Kunde des Morgenlandes*, vol. XVII, pp. 135 f., and 211 f.).

Thus in the ceremony it is universal usage to walk the seven steps together and for the bridegroom to murmur, as he takes the bride's hand: 'This am I, that art thou, that art thou, this am I; Heaven am I and Earth art thou; the (feminine) Ṛich (Rigveda verse) art thou, the Sāman am I. Be thou devoted to me,' and to make the bride mount a stone as an emblem of firmness. But special rules are that women shall come to the bride's house and eat and drink brandy and dance four times; and that merry girls shall escort the bridegroom to the bride's house, and that he must do all the foolish (?) things they tell him to do (except when taboo is concerned). (Çāṅkh., *G.S.*, I, 12, 2.) Some measure of values may perhaps be obtained from the statement that the fee to the priest who performs the marriage-ceremony is a cow, given by the bridegroom, if the groom is of the same caste as the priest, but a village if the groom is 'royal,' Rājanya, that is a nobleman of 'kingly' order, and a horse if the groom is of the third estate (farmer, trader). Obviously the succeeding rule, which is not unique, countenances a sort of sale in that it adds: '(The bridegroom must give) to the one who has the daughter one hundred (cows) together with a chariot.' The same rule is found in the Dharma Sūtras (Āpastamba, II, 13, 12) with the explanation that the gift must be returned, as a sale is not allowed—which only points back to an earlier period when the sale of daughters was allowed.

The distinction among the orders mentioned in the gifts above is only one of innumerable passages in which, as a matter of course and without thought of any other social order, the castes are named as priest, noble or warrior, and 'people,' the last term embracing all those 'reborn,' who are not priests or warriors or slaves. The slaves, Çūdras and lower orders, are recognised as part of the social structure. The name itself suggests that the Çūdras were originally a conquered people, as Karian became synonymous with slave at Athens. Yet the Çūdras were not Pariahs but members of the household, who took part in some of the domestic rites.

The test of caste is not marriage alone but defilement by eating and touching what is unclean. In this regard the Sūtras show only the beginning of that formal theory of defilement which results in a pure man of the upper castes being defiled by the shadow of an impure man, and in the taboo of all contact with the impure. According to Gautama (*Dharma Sūtra*, XVII, 1 f.), a Brāhman may eat food given by any of the 'reborn' who are worthy members of their caste, and if in need of food to support life he may

take food and other things even from a Çūdra. Food forbidden is that defiled naturally by hairs or insects falling into it and that touched by a woman during her courses, by a black bird (crow), or by a foot, etc., or given by an outcast, a woman of bad character, a person accursed, an hermaphrodite, a police-officer (*daṇḍika*), a carpenter, a miser, a jailer, a physician, a man who hunts without using the bow (i.e. a non-Āryan snarer of animals), a man who eats refuse or the food of a multitude, of an enemy, etc. The list continues with the taboo of food offered disrespectfully and of certain animals. Āpastamba (*Dharma S.*, I, 6, 18, 1 f.) allows the acceptance of gifts, including a house and land, even from an Ugra (low caste or mixed caste), though, like the later law-books, his code states that a priest may not eat in the house of anyone of the three orders (*varṇas*) below him; but he may eat the food of any other priest, and according to 'some' he may eat the food of people of any caste except Çūdras and even their food in times of distress. Forbidden by him is the food of an artisan, of people who let houses or land, a spy, an unauthorised hermit (Buddhist?), besides that of surgeon, usurer, and others. Caste is *varṇa* or *jāti*, 'colour' and 'kin,' the former embracing the latter, as a social order including clans or families. Even in the all-important matter of marriage, caste is not so important as family. The only test, when one seeks a wife, according to Çāṅkhāyana, is that of the family: 'They ask the girl in marriage, reciting the clan-names.' The text of Āçvalāyana expressly mentions as a form of marriage that in which the bridegroom kills the relatives and rapes the weeping girl, evidently a form once countenanced as well as enumerated among possible forms; at any rate it bars out all examination of the bride's social position. Indeed the marriage rules permit the marriage of a Çūdra woman, though as the last of four wives, with a member of the highest caste (e.g. Pār., *G.S.*, I, 4, 11), whose offspring, of course, being 'mixed' or impure, is not a member of the Āryan 'reborn,' but nevertheless is recognised legally. And what shall we say of those who are not 'reborn' although Āryans? The rule in this case is universal that, if priest, warrior, or member of the third estate fail to be 'reborn in the Veda,' i.e. if such a one is not duly initiated into his social order at the proper time, he loses his prerogatives and becomes an outcast: 'No one should initiate such men, nor teach them, nor perform sacrifice for them, nor have intercourse with them,' and further, 'A person whose ancestors through three generations have been thus outcast is excluded from the sacrament of initiation and

from being taught the Veda,' that is, they become Vrātyas or entirely outcast persons with whom one may not even have intercourse unless they perform special rites[1].

In general the Grihya Sūtras may be said to be the later scholastic codification of rules, formulas, and rites long practised, concerned chiefly with the orderly progress of an individual ideal life, and incidentally with such ceremonies as naturally occur in such a life, that is, besides rites from babyhood to marriage, fixed moon-rites, etc., those concerned with building, holidays, burial, etc. That they are not of Vedic age in their present form, though in substance reverting in part to Brāhmaṇa beginnings, may be concluded from their obvious posteriority in respect of language and metre (where verses are cited) to the Brāhmaṇas, not to speak of earlier Vedic texts, as well as from the fact that several Sūtras emanate from districts scarcely known even by name to the Brāhmaṇas. The general order of arrangement in the Grihya Sūtras is one conditioned by the subject-matter, which is to reveal the whole duty of man as a householder. Most of them begin with the marriage and continue with the birth of a child, the ceremonies at conception and at various stages before birth, at the birth itself, at the naming of the child, when he sees the sun, when he is fed, when his hair is cut, when he becomes a student, and when he returns home from his Guru (tutor) and becomes a householder. Then the child, now grown to a man, marries and the circle begins again. Finally the rite for the burial is described. A few texts take up the round of life at another point, that where the student-life begins. This is the procedure in the case of some of the Black Yajurveda texts (for example, the Mānava and Kāṭhaka Sūtras), but it makes no difference where one begins; each Sūtra follows out the life to the end, and the general uniformity shows that, whatever be the minor discrepancies and divergences of opinion (of which the authors are themselves well aware), the Grihya Sūtras as a whole are based upon one model, and that, whether in the northern or southern districts, the lives of orthodox Āryans were governed by a remarkable conformity of ritual. It is not improbable that, as has been suggested by Professor Oldenberg, many of the rites prescribed as general rules were nothing more than formulas of secret magic owned at first by certain families and afterwards become universal property[2].

[1] See Pāraskara, *Grihya Sūtra*, II, 5, 40 f., and Weber, *Ind. Literaturgesch.* p. 78 f., Eng. trans., p. 67.

[2] Compare the admirable discussion of the position of the Grihya Sūtras by Prof. Oldenberg in *S.B.E.* vol. XXX.

The specimen given above will suffice to show the artless style of these didactic Sūtras. They have in fact no style save that attained by scrupulous brevity. In the following paragraphs we shall seek rather to illustrate certain phases of the Gṛihya Sūtras as indicative of religious and magical beliefs and of the social environment in which they were produced, or at least for which they were intended.

We may begin with reverting to the cure of epilepsy already mentioned. In the course of childhood the boy may be attacked by the dog-demon (epilepsy). What is the father to do? The names of the canine demons have been mentioned above with a parallel passage containing more of the same sort. These are to be averted by a sort of honorific propitiation. They are lauded; but their objectionable behaviour in this special case is deprecated. The author of our Sūtra contents himself with this. But a rival author or two (Hiraṇyakeçin, *G.S.*, II, 2, 7, 1 f.; Āpastamba, *Gṛihya Sūtra*, VII, 18, 1) are not content with the method here advocated. According to them, the father must make a hole in the roof of the royal gaming-hall and pull the boy through it, lay him on his back on dice strewn about, and then, while a gong is sounded, recite the deprecatory words to the dog-demons and pour curds and salt over the boy. Several items of this recipe are of interest, the avoidance of the door, the use of salt and curds to frighten demons, the gong for the same purpose to be beaten on the south side of the hall. These may be said to be universal antidotes; peculiar is the use of the dice, which has no parallel in the similar situations offered by the Sūtra. Finally the fact that the father makes a hole in the roof of the gaming-hall shows that it is made of thatch (easily repaired) and leads to the question what sort of architecture is normally to be found implied in the Sūtras. The gaming-hall is the public gambling-place which a king is directed to build for the use of his subjects, and curiously enough, with the exception of the householder's own dwelling, it is almost the only reference to edifices found in the Sūtras. On the other hand, all the dicta of the Sūtras show that such life as is depicted is supposed to be country life; the district and the village are the geographical entities. Cities are not ignored but are despised[1]. Thus there are no ceremonies for urban life. But there is a rite for ploughing, when sacrifice is made to Açani (the thunder-bolt) and to Sītā

[1] Āpastamba, *Dharma Sūtra*, I, 32. 21, 'let him avoid going into towns,' and Baudhāyana, *Dharma Sūtra*, II, 3, 6, 33, 'It is impossible for one to obtain salvation, who lives in a town, covered with dust.'

(the furrow), as well as to other bucolic deities, Araḍā, Anaghā, etc., as to the greater bucolic gods, Parjanya and Indra and Bhaga, with similar offerings on the occasion of the 'furrow sacrifice,' the 'threshing-floor sacrifice,' when one sows, reaps, or takes in the harvest, all indicating that the life portrayed is that of the village agriculturist, who must even 'offer a sacrifice at mole-heaps to Ākhurāja, the king of moles' (Gobhila, *Gṛihya Sūtra*, IV, 4, 28 f.; *ibid.* 30 f.). So the constant injunctions to 'go out of the village,' to sacrifice at a place where four roads meet, or on a hill, etc., imply life in villages even for householders and scholars rather than in towns (Gobhila, III, 5, 32–35).

Besides the introduction of evil spirits and bucolic divinities into the ritual of the domestic service, we find in the Sūtras for the first time the recognition of images of the gods, which must be implied by the regulations concerning the deities Īçāna, Mīḍhushī, and Jayanta ('lord,' 'bountiful one,' 'conqueror') as well as the 'lord of the field,' Kshetrapati, who are moved about and given water to drink (Āp., *G.S.*, VII, 19, 13; *ibid.* 20, 1–3 and 13).

When a boy is initiated he is made to mount a stone with the adjuration to be 'firm as a stone' which elsewhere is confined to the bride, and is then given in charge to 'Kashaka (Kaçaka), Antaka, Aghora, Disease, Yama, Makha, Vaçinī, Earth and Vaiçvānara, Waters, Herbs, Trees, Heaven and Earth, Welfare, Glory, the All-gods, all the Bhūts, and all the gods' (Hiraṇyakeçin, *G.S.*, I, 2, 6, 5). In this list of demons and deities to whom the boy is given in charge, Vaçinī as the 'ruling goddess' is noticeable. She is probably the mother-goddess who despite all Vedic influence always was the chief spiritual village-power identified with Çiva's wife in various forms. Perhaps too the recognition (in a rite to procure increase of cattle) of a god described merely as 'He who has a thousand arms and is the protector of cow-keepers' (*Gaupatya*), may be a veiled allusion to Kṛishṇa-Vishṇu (Gobhila, IV, 5, 18).

As the Gṛihya Sūtras in distinction from the Dharma are concerned with domestic superstitions, these may rightly be considered their peculiar contribution to the history of India. Of political and social life they contain almost nothing except as confined within the bounds of the family. The regular routine of the normal life contains a sufficiency of such superstitions, though the underlying reason for them is due in some cases more to mechanical adjustment to a supposed harmony than to spiritual fears. This is the case for example in the regulation that the

initiation of the Brāhman, Kshatriya, and Vaiçya shall take place, respectively, in spring, summer, and autumn, in the eighth, eleventh, and twelfth years after conception, the respective seasons being supposed to represent the castes, as the years represent the metres regarded as peculiar to these castes. Deeper lies the origin of the following:—the rite to drive out of the bride the influence deadly to the husband and to convert it into an influence deadly to her possible paramour (Hir., *G.S.*, I, 7, 24, 1 f.); the prayer that the 'weeping women' (demons) and Vikeçī may not torment her, nor the Piçāchas of the womb, who devour flesh and bring death (*ibid.* 6, 19, 7); the scattering of rice and other grains on the heads of the newly wedded pair (*ibid.* 21, 6); and the corresponding rite according to which the husband ties barley about the wife's head, here expressly 'to have offspring' (Āp., *G.S.*, VI, 14, 7). Naturally the conjugal relations offer a fruitful field for this sort of thing. Thus we have a rite to make a husband subject to his wife as well as to make her co-wives subject to her (*ibid.* III, 9, 5 f.) and another very peculiar rite, the object of which is to keep the wife faithful, in which she is regarded much as is the slave around whom, when suspected of estrangement, urine is poured from a horn to keep him magically at home (Hir., *G.S.*, I, 4, 14, 2).

Another subject claiming the attention of the Sūtra-maker is the efficacy of amulets. These are tied upon the priests, as a sort of final expression of good-will, in the Āçvayuja rite. They are made of lac and herbs (Gobh., III, 8, 6). Minor superstitions abound. If one yawns, one must say, 'May will and wisdom abide in me,' evidently a phase of the popular belief that the soul may escape in a yawn or sneeze (Hir., *G.S.*, I, 5, 16, 2). Signs of ill-luck which must be averted by a sacred formula are found in the presence in the house of a dove, of bees, or an anthill, in the budding forth of a post, etc. (*ibid.* I, 5, 17, 5). The transmission of sin is illustrated by the dictum that if one touches a sacrificial post the faults committed at the sacrifice are incurred (*ibid.* 16, 16); also by the injunction that when one's hair is cut a well-disposed person should gather it up and hide it away, as the well-disposed person (the mother, for example) thus 'hides the sin in the hair,' probably a refinement on the original notion of not losing one's soul-strength at the hands of some ill-disposed person (*ibid.* I, 2, 9, 18; cf. Āçv., I, 17, 10, etc., where the formula is 'for long life'). Whether the objection to certain trees as liable to cause eye-trouble, etc., is grounded in fact or fancy, causing the injunction to transplant them, may be questioned, but the original

cause has been lost in the maze of superstition, which makes the Açvattha tree injurious on the east side of the house, the Plaksha on the south, the Nyagrodha on the west, and Udumbara on the north.

Before speaking of the Dharma Sūtras in particular it will be necessary here to settle the question as to what is meant by the Āryan, so often mentioned in all the Sūtras. While not lacking in moral connotation, so that as a common adjective *ārya* meant noble in heart as well as in race, it is only in the democracy of religious philosophy that such a person as an Āryan slave or barbarian was conceivable. Practically Ārya was synonymous with 'reborn' and indicated a person of the three upper castes in good standing, antithetic to Çūdra and other low-caste or out-caste persons. Yavanas (Greeks) are the most esteemed of foreigners, but all Yavanas are regarded as sprung from Çūdra females and Kshatriya males. Gautama says that sundry authorities hold this view[1]. Such rules as that given by Gautama (XII, 2) in the case of the violation of an Āryan woman by a Çūdra, when compared with Āpastamba, *Dh.S.*, II, 26, 20, and 27, 9, prove conclusively that Ārya is 'noble in race' as distinguished from the 'black colour' (*ibid.* I, 27, 11, with the preceding 'non-Āryans'). Mr Ketkar in his *History of Caste in India* (p. 82), is rather rash in stating that there was no racial discrepancy felt between Āryan and Dravidian. It is true that those who were out-caste were no longer called Āryans, but no Çūdra was ever regarded as Āryan, any more than he could be 'reborn.' *Ārya* indicated racial distinction from the times of the Rigveda onwards.

We have seen that the Gṛihya Sūtras practically recognise life only as lived in villages. In the Dharma Sūtras, as these are later and have to do with wider relations, the town (*pur*, *nagara*), appears as a larger unit, though how much larger it is not easy to say; and when we remember that *pur* is after all only a stronghold or fort, and *nagara* is anything larger than a village, we must be cautious of too ready belief in large cities. Everything indicates on the contrary that life was still chiefly that of small places and kings were only petty chieftains. There was not supposed to be any school or even studying done in town. The Dharma Sūtra of Gautama, regarded as the oldest of extant Dharma Sūtras, says expressly that one should not recite the holy texts at any time in a town; and it is assumed, as in the Gṛihya Sūtras, that such life

[1] *Dh. Çāstra*, IV, 21 (erroneously rendered 'offspring of male Çūdras and female Kshatriyas' in *S.B.E.* vol. II, p. lvi). This passage referring to Yavanas is unique in the Sūtras. They are Bactrian and other Asiatic Greeks. See Chap. XXII, pp. 540–1.

as is described passes normally in villages. Even in the description of the royal residence (*v. inf.* p. 247), the hall has a thatched roof. The king still stands up *in propria persona* and hits a thief with a cudgel; and, if the king fails to strike, the 'guilt falls on the king' (Gaut., *Dh.S.*, XII, 43). The commentators, apparently aware of the incongruity in applying such a rule to the kings of their day, attempt to restrict its application as intended for specially evil thieves (of gold); but it is in fact a general rule even as late as Āpastamba (*Dh.S.*, I, 25, 4), who says: 'A thief shall loosen his hair and appear before the king carrying a cudgel on his shoulder. With that (cudgel) he (the king) shall smite him; if he dies his sin is expiated, but, if the king forgives him, the guilt falls on him who forgives; or he (the thief) may throw himself into a fire or die by starvation.' Thus the later author seeks to excuse the king (but not the thief).

The Dharma Sūtras add to the data of social life material evidence which shows that there were recognised customs not approved in one part of the country but doubtfully admitted as good usage because locally approved in other parts. For, in discussing usage, Baudhāyana (*Dh.S.*, I, 1, 17 f.) expressly says that customs peculiar to the South are to eat in the company of an uninitiated person, in the company of one's wife, to eat stale food, and to marry the daughter of a maternal uncle or of a paternal aunt, while customs peculiar to the North are to deal in wool, to drink rum, to sell animals that have teeth in the upper and in the lower jaws, to follow the trade of arms, and to go to sea. He adds that to follow these practices except where they are considered right usage is to sin, but that for each practice the local rule is authoritative, though Gautama denies this[1]. Baudhāyana also admits the doctrine that a priest who cannot support himself by the usual occupations of a Brāhman may take up arms and follow the profession of a warrior; though here again his opinion is opposed to that of the earlier Gautama, who argues that such an occupation on account of its cruelty is not fitted for a priest. Whether the Gautama here represented as opposed be the Gautama whose Sūtra has come down to us may be doubted, but the two passages show that caste-integrity was not regarded as essential, for no one could be a warrior and retain the mode of life deemed proper for a priest.

[1] See Bühler, *S.B.E.* vol. II, p. xlix. The river Narmadā (Narbadā) is the boundary between North and South. 'Making voyages by sea' causes loss of caste (Baudh., *Dharma Sūtra*, II, 1, 2, 2).

The geography of the Sūtras illustrates very forcibly the limited reach of interest at the same time that knowledge of a wider country was thoroughly disseminated. Kaliṅga on the eastern coast is even the subject of versification, 'He sins in his feet who visits the Kaliṅgas,' and one who travels to their country must perform a purificatory sacrifice; as must they who visit the Āraṭṭas (in the Punjab) or the Puṇḍras and Vaṅgas (in Bengal), while the inhabitants of the country lying about Multān, Surat, the Deccan, Mālwā, western Bengal, and Bihār are all declared by Baudhāyana to be of mixed origin; and (by implication) their customs are not to be followed. The 'country of the Āryans' embraces in fact only the narrow district between the Patiāla district in the Punjab and Bihār, and between the northern hills (Himālayas) and those of Mālwā; some even confine the definition of Āryāvarta (country of the Āryans) to the district between the Ganges and Jumna[1].

Constant references to the opinions of earlier authorities, indefinitely cited as 'some,' show that our extant Sūtras are but a moiety of the mass lost. Naturally the later authors know by name more authorities than do the earlier. Āpastamba discusses 'those whose food may be eaten' and cites a certain Kāṇva who declares that 'who wishes may give'; then a Kautsa, whose opinion is that he who is holy (*puṇya*), may give; then Vārshyāyaṇi who says that 'anybody may give,' because, if it is a sinner and the sin remains with him, the receiver cannot suffer, but if it does not remain with him (the giver), then the giving acts as a purification (Āp., *Dh.S.*, I, 19, 3 f.). Again the same author discusses theft. Anyone who takes what belongs to another is a 'thief'; so teach Kautsa, Hārīta, and Kāṇva; but Vārshyāyaṇi says that there are exceptions. 'Seeds ripening in the pod and food for a draught-ox' may be taken (without theft), though 'to take too much' is a sin. Hārīta's opinion is that the owner's permission must first be given (Āp., *Dh.S.*, I, 28, 5).

These texts in any case are more or less erroneous transmitters of older law. Thus the Sūtra law for manslaughter or murder enjoins that one who has killed a warrior shall give for the expiation of his sin a bull and a thousand cows. To whom? The commentator (a priest) says that the passage means give to the priests (Āp., *Dh.S.*, I, 24, 1), whereas the corresponding rule in Baudhāyana (I, 10, 19, 1) says that the fine shall be given to the king;

[1] Baudh. I, 1, 2, 9 f. Baudhāyana may be the Kāṇva referred to (in the next paragraph) as an authority. He was probably himself a southerner of the eastern coast. Cf. Bühler, *S.B.E.* vol. XIV, p. xxxvi f.

and in both passages the commentator explains that the 'expiation for sin' may mean 'to remove the enmity of the murdered man's relatives,' which latter explanation is historically the earlier and probably the true explanation, as it is a parallel to the law permitting compensation for murder as found among other Āryan nations[1].

Since, in distinction from the Gṛihya Sūtras, the Dharma Sūtras have to do with society rather than with family, it is here that we find the beginning of civil and criminal law, although legal punishments are still retained in part under the head of penance, and the conditions of inheritance, which depend on the family, are partly explained under domestic duties, for these include (as we have seen) the rite of marriage, apropos of which is first defined the family (*gotra*, *gens*) into which one may marry. The rule is that a man shall not give his daughter to one belonging to the same *gotra*, that is, having the same family name[2], or, in the case of priests, descended from the same Vedic seer, or to one related on the mother's side within six degrees. Then the rules for inheritance, assuming the meaning of the Sapiṇḍa as one within six degrees, make Sapiṇḍas the heirs after or in default of sons. The Sapiṇḍas here are males only. The widow is excluded, and the daughter (according to Āpastamba) inherits only in default of sons, teacher, or pupil, these, however, being recommended to employ the inheritance for the spiritual good of the deceased. Probably the general rule anticipates not the death of the owner but a division of property among the sons during his lifetime. The king inherits in default of the others named, and some say that among the sons only the eldest inherits. These rules are sufficiently vague, but local laws are also provided for in the additional rule: 'In some countries gold, (or) black cattle, (or) black produce of the earth (grain or iron?) is the share of the eldest' (Āp., *Dh.S.*, II, 14, 7). Then in regard to what the wife receives, the Sūtra leaves it doubtful whether the rule 'the share of the wife consists of her ornaments and wealth received from her relations, according to some (authorities),' is to be interpreted in such a manner that 'according to some' refers only to the last clause or to the whole.

What is obvious is that the whole matter of inheritance was as yet not regulated by any general state law. Different countries

[1] Cf. Bühler's explanation, *S.B.E.* vol. II, p. 78.

[2] Generally speaking we may say that exogamy is the rule, but epic literature records cases of marriage between near relations (cousins).

or districts of India have different laws; different authorities differ in regard to the interpretation of these laws; and, finally, different texts of Vedic authority contradict by inference the rule to be got from them. Thus because one Vedic text says 'Manu divided his wealth among his sons,' it is implied that there should be no preference shown to the eldest; but, on the other hand, another Vedic text says 'they distinguish the eldest by the heritage,' which countenances the preference shown to the eldest. Now this last point, despite the desire for conciseness, demands consideration at length, so the maker of the Sūtra takes it up, arguing that a mere statement of fact is not a rule. For example (he says), the dictum 'a learned priest and a he-goat are the most sensual beings' is a statement, but cannot be taken as a rule. Hence, he says, the statement 'they distinguish the eldest' is not a rule. But the question remains, why then should the other statement, 'Manu divided his wealth,' be regarded as a rule? The subject of inheritance is treated first by Baudhāyana under the head of impurity, where he says simply that Sapiṇḍas inherit in default of nearer relations, and Sakulyas (remoter relations) in default of Sapiṇḍas; but afterwards he adds that the eldest son, in accordance with the quotations cited by Āpastamba, may receive the best chattel, or the father may divide equally among his sons. Here also the fact that the same subject is treated in different sections shows that as yet the matter of civil law was not treated systematically but incidentally.

It is no part of the present discussion to enter into the confusing details of the laws of inheritance; only to show in what state were these laws at the time of the Sūtras. The latest Sūtra, however, already stands on a level with the formal law-books, and, for example in this matter of inheritance, is not content with the vague 'sons' of the earlier authors but makes a formal classification of the (later legal) 'twelve sons,' six of whom are entitled to inherit as 'heirs and kinsmen' while six (kinds) are 'kinsmen but not heirs,' among the last being the son of a Çūdra wife.

Civil law is in general discussed in the Sūtras under the head of royal duties; for it is assumed that the king administers justice both civil and criminal. It is his part to pay attention to the special laws of districts, castes (*jāti*), and families, and make the four orders (*varṇas*, castes in a general sense) fulfil their duties. The summary, in the following order, includes punishing those who wander from the path of duty, not injuring trees that bear

fruit, guarding against falsification of weights and measures, not taking for his own use the property of his subjects (except as taxes), providing for the widows of his soldiers, exempting from taxation a learned priest, a royal servant, those without protectors, ascetics, infants, very old men, students, widows who have returned to their families, unmarried girls, wives of servants, and *pradattās* (doubtful, perhaps girls promised in marriage); but first and foremost, the king is to protect all in his realm (Vasishṭha, XIX, 1–24). This quaint summary of royal duties does not even belong to the early Sūtra period but derives from a text, which in some regards is practically, as it is called, a law-book (Çāstra). It reflects, as do the elaboration of details and additions casually made, the fact that even at this comparatively late period the king was still a small local rāja, not an emperor.

Although we may agree in general with the judgment of Bühler to the effect that the Dharma Çāstra of Gautama takes temporal precedence over the extant Dharma Çāstras and Dharma Sūtras[1], yet it is historically as important to remember that this judgment was tempered by the consideration that interpolations occur in the work of Gautama, and that in its present form the language 'agrees closer with Pāṇini's rules than that of Āpastamba and Baudhāyana.' The title itself of Gautama's work is Çāstra not Sūtra, and it is obvious from his chapter on kings that sundry works called Dharma Çāstras were in vogue, for he says: 'The administration of justice (shall be regulated by) the Veda, the Dharma Çāstras, the Aṅgas, and the Purāṇas (and Upavedas)' (XI, 19), and though the word 'Upavedas' occurs in but one manuscript, and logically Dharma is included under Aṅga, yet it is not necessary to assume an interpolation for these words, especially as Gautama mentions Manu among teachers of the law, from 'some' of whom he cites, though not by name. The Atharvaçiras, a late work, is also known to him (XIX, 12). It may then be questioned whether each and every rule of Gautama can be cited as being an integral part of the 'earliest law-book.'

The royal duties as described by Gautama are few. After stating that all the 'reborn' (men of the three upper castes) are to study, offer sacrifice, and give alms, and that the priest in addition is to teach, perform sacrifice for others, and receive alms, or, if he does not do the work himself, to practice agriculture and

[1] *S.B.E.* vol. II, p. liv.

trade[1], Gautama says that a king's special additional duty is to protect all beings, to inflict proper punishment, to support learned priests and others unable to work, those free of taxes and temporary students, to take measures for ensuring victory, to learn how to manage a chariot and use a bow, to fight firmly, to divide the spoils of battle equitably, to take a tax of one-tenth, one-eighth, or one-sixth (of produce), to force artisans to pay one day's work monthly, to proclaim by crier lost property, and, if the owner be not found in a year, to keep it, giving one-fourth to the finder (but all treasure-trove belongs to the king), and to protect the property of infants[2]. In the following section the author says that the king is the master of all except the priests; that he is to be moral and impartial, worshipped by all except Brāhmans, who shall honour him (*ibid.* XI, 1 f.); that he must protect the castes (orders) and different stages of life (*āçramas*), and, with the assistance of his chaplain fulfil all his religious duties, as enumerated above. Authoritative in the realm shall be all rules of castes (*jāti*), and families (*kula*), as well as district-rules not opposed to (Vedic) tradition, while for their respective orders (*varga*) ploughmen, traders, herdsmen, money-lenders, and artisans may make their own rules (*ibid.* 21).

In this *résumé* of royal duties there is no indication or implication of any power greater than that of a small king. But the later Sūtra of Āpastamba indicates the beginning of that system of government by proxy which obtains in the Çāstra of Manu and other Smṛitis. Nor is Āpastamba's account of royal duties otherwise without interest, since it shows just such a combination of old and new as characterises the Sūtra period. To begin with, after discussing caste-duties in general, Āpastamba describes the town where the king is to live:

I will now explain the duties of a king. He shall build a town (*pur*), and a dwelling (*veçma*), each with a door facing south. The dwelling (Bühler, 'palace') is within the *pur*, and to the east of the dwelling shall be a hall called the 'invitation' (guest) place. South of the *pur* shall be an assembly-house (*sabhā*),

[1] This and the permission to teach for money are not in accord with the usual rules of the Sūtras. The practice of Brāhmans becoming 'gentlemen farmers and sleeping partners in mercantile or banking firms managed by Vaiçyas' is not countenanced in other Sūtras (see Bühler's note to Gautama, x, 5) and probably the permission to teach for money is intended only for priests in distress.

[2] An exception in the case of treasure-trove is made in the case of a priest being the finder, and 'some' say that anybody who finds it gets one sixth. In the rules for taxes, if the stock is cattle or gold the tax according to 'some' is one fiftieth and if it is merchandise one twentieth, while one sixtieth is the tax on roots, fruits, flowers, herbs, honey, meat, grass, and firewood (Gaut., x, 25 f.).

having doors on the south and north sides so that it shall be in plain view within and without. There shall be fires in all these places (burning) perpetually, and offering to the Fire-(god) shall there be made regularly, just as to the sacred house-fire. He shall put up as guests in the hall of invitation learned priests... and in the assembly-house he shall establish a gaming-table, sprinkle it with water, and throw down on it dice made of Vibhītaka (nuts), sufficient in number, and let Āryans play there (if they are) pure men of honest character. Assaults at arms, dances, singing, concerts, etc., should not take place except in houses kept by the king's servants...Let the king appoint Āryans, men of pure and honest character, to guard his people in villages and towns, having servants of similar character; and these men must guard a town (*nagara*) from thieves for a league (*yojana*), in every direction; villages for two miles (a *kos* or quarter of a league). They must pay back what is stolen within that distance and collect taxes (for the king).

A learned priest and women are not taxed, nor are children before puberty, temporary students, or ascetics, or slaves who wash feet, or blind, dumb, deaf, and diseased persons. The king goes personally into battle and is exhorted not to turn his back and not to use poisoned weapons or to attack those who supplicate for mercy or are helpless (Āpastamba, II, 5, 10, 11), such as those who have ceased to fight or declare themselves cows (by eating grass, a sign of submission) (Baudh., I, 10, 18, 11; Gaut., X, 18).

Taxes and inheritance form the chief subjects of civil law, together with the vexed question of the status of women. Women may not on their own account offer either the Vedic Çrauta sacrifices or the Gṛihya sacrifices. A woman is 'not independent' (Baudh., II, 2, 3, 44; Gaut., XVIII, 1), either in respect of sacrifice or of inheritance. Widows, if sonless, are expected to bear sons by the levirate marriage (Baudh., II, 2, 4, 9). Suttee is not acknowledged. Women are property and come under the general rule: 'A pledge, a boundary, the property of minors, an open or sealed deposit, women, the property of a king or of a learned priest are not lost by being enjoyed by others' (Vas., XVI, 18).

In proving property, documents, witnesses, and possession are admitted as proof of title by the late Sūtra of Vasishṭha (XVI, 19), and if the documents conflict, the statements made by old men and by gilds and corporations are to be relied upon (Vas., XVI, 15), an interesting passage as it shows what importance was ascribed to the gilds (*çreṇi*) of the time.

In criminal law, only Āpastamba recognises the application of ordeals (*Dh.S.*, II, 11, 3; cf. 29, 6). The ordeals, here merely referred to, consist in the application of fire, water, etc., according to the later law-books (*v. inf.* p. 282 ff.), but are not defined in the Sūtras. Assaults, adultery, and theft are the chief subjects discussed in the Sūtras under this head. The fines of the later law

are generally represented here by banishment or corporal injury. Most of the regulations are dominated by caste-feeling. A Çūdra who commits homicide or theft or steals land has his property confiscated and suffers capital punishment (Āp., *Dh.S.*, II, 27, 16); but a Brāhman priest for such crimes shall be blinded (*ibid.* 17). A Kshatriya (warrior) who abuses a Brāhmaṇa (priest) is fined one hundred (coins); a Vaiçya (farmer) must pay half as much again for the same offence; but if a Brāhman abuses a Kshatriya he pays only fifty coins (*kārshāpaṇas*), and only twenty-five if he abuses a Vaiçya, while if he abuses a Çūdra he pays nothing (Gaut., XII, 8 f.), etc. The same caste-interest works outside of criminal law.

Thus the legal rate of interest is set at (the equivalent of) fifteen per cent. per annum (five *māshas* a month for twenty *kārshāpaṇas*, Gaut., XII, 29; Baudh., I, 5, 10, 22); but according to Vasishṭha (II, 48), 'two, three, four, five in the hundred is declared in the Smṛiti to be the monthly interest according to caste.' This means that the highest caste pays two, the next caste three, and so on (limited by the scholiast to cases of loans without security). The same author prohibits Brāhmans and Kshatriyas from being usurers; but Baudhāyana says that a Vaiçya may practise usury (Vas., II, 40 and Baudh., I, 5, 10, 21). That there was, however, a notable laxity in carrying out the supposed inflexibility of caste-rules is evident from the fact that the law-makers expressly permit the upper castes to take to the occupation of the lower when in need of sustenance. Even the Brāhman priest who neglects to say his prayers may at the king's pleasure be forced to perform the work of Çūdras (Baudh., II, 4, 7, 15). Thus, with certain restrictions as to what he sells, etc., a priest or warrior may support life by trade and agriculture (Vas., II, 24 f.). But a man 'reborn' who persists in trade cannot be regarded as a Brāhman, nor can a priest who lives as an actor or as a physician (*ibid.* III, 3). In other words, as may be concluded from the very laws inveighing against them, at the time of the Sūtras there were many nominal members of the priestly and royal orders who lived as farmers and traders, perhaps even as usurers (a special law prohibits this, Vas., II, 40; cf. Manu, X, 117), not only acting the part of gentleman farmers but living as humble ploughmen (Vas., II, 33).

As touching the outer world, as one is directed to avoid going into towns, so one should avoid visiting foreign places and 'not learn a language spoken by barbarians' (Vas., VI, 41; Āp., I, 32, 18).

In religion, as was to be expected, denying the authority of the Vedas, carping at the teaching of the Vedic seers, and wavering in regard to any traditional duty is to 'destroy one's soul' (Vas., XII, 41), and there is no salvation for a man who devotes himself to epicurean ways or to captivating men or to philology (*çabdaçāstra*, Vas., X, 20). On the other hand the Upanishad doctrine that a priest who is learned and austere and repeats the sacred texts is not tainted with sin, though he constantly commit sinful acts, is a morally destructive teaching already legalised (Vas., XXVI, 19). The highest named god is Brahmā or Prajāpati, to whom, after the manner of the epic, verses of legal character are assigned. Philosophically the Sūtras are dominated by the Vedānta Ātman-theory, which appears to be known as a system to Āpastamba, whose Sūtra seems to have been a work which arose among the Andhras of the south-eastern coast, and probably is not older than the second century B.C. It recognises, alone among Sūtras, a named Purāṇa (the Bhavishya, II, 24, 6) and its archaic effect linguistically, which in large measure determined Bühler in his conjecture that this Sūtra might revert to the fifth century, may well be due to the fact that the Andhras retained linguistic peculiarities long after Pāṇini fixed the northern usage. Āpastamba knows the Atharvaveda, as does Vasishṭha, who appears to have been a still later writer. It is true that Bühler arranged a chronological series of Sūtras of the law in the order Gautama, Baudhāyana, Vasishṭha, and Āpastamba; but in doing so he minimised the late characteristics of Vasishṭha (who alone mentions 'documents' as legal proofs); and in his remark (*S. B. E.*, XIV, p. xvii) concerning the fourth Veda he appears to have overlooked the passage at VI, 4, where the four Vedas are mentioned. It is also quite probable that the passage which seems to make Baudhāyana earlier than Vasishṭha is interpolated, and Bühler himself admits that many other passages have been tampered with. Whatever the earlier text may have been, the present text, with its free use of *Çloka* verse, its recognition of Dharma Çāstras, its citations from Manu, Vishṇu, etc., and its possible allusion to the Romans (*Romaka*, XVIII, 4), seems to be the latest of the legal Sūtras, though containing much older material. In general, the age to which the Sūtras may be assigned cannot well be earlier than the seventh or later than the second century B.C. They represent both the views of different Vedic schools and different localities, from the Andhra country in the S.E. to the countries of the N.W., where probably the school of Vasishṭha is to

be sought[1]. Probably the Gṛihyas represent the earlier Sūtras; the Dharmas as a whole come later: perhaps 300 B.C. would represent the earliest.

[1] For Bühler's views regarding Āpastamba, as dating from the third to the fifth century B.C., see *S.B.E.* vol. XIV, p. xlii. The strongest proof that Āpastamba was a Southerner lies in II, 17, 17, where he says that 'Northerners' pour water into a priest's hand at funeral feasts. That he followed Baudhāyana is undoubted; but for historical use it must also be remembered that only the first two of the four books of Baudhāyana are genuine and the latter half may be much later.

CHAPTER XI

THE PRINCES AND PEOPLES OF THE EPIC POEMS

THE Sūtra literature does not lack connexion with the epics, to which we now turn. In the Gṛihya Sūtra of Çāṅkhāyana, for example, occur the names of Sumantu, Jaimini, Vaiçampāyana, and Paila, who are teachers of the great epic Mahābhārata; and the list of revered teachers, and no less revered species of literature, mentioned in the Sūtra of Āçvalāyana includes the Bhārata and Mahābhārata, while the Çāmbhavya Sūtra also mentions the Mahābhārata (it omits Bhārata, perhaps as included in the greater name). Although the words are assumed by modern scholars to be interpolated, the reason given, 'because otherwise it would make the Sūtra too late[1],' has never been very cogent, since the end of the Sūtras and beginning of the epics probably belong to about the same time. As an indefinite allusion not to a special epic poem but to the kind of poetry are also to be noticed such early references as that of Āçvalāyana (III, 3, 1) to Gāthās, hero-lauds, tales, and ancient legends.

Epic poetry is divided by the Hindus themselves into two genera, one called 'tales and legends' (Itihāsa and Purāṇa) and the other called 'art-poem' or simply 'poem' (Kāvya, the production of a Kavi or finished poet); but the compilation named Mahābhārata is both Itihāsa-Purāṇa, its original designation, and then Kāvya, though it is not recognised as a Kāvya till the introductory verses exalt it as such. In its origin it was undoubtedly a popular story of the glorified historical character which attaches to tribal lays even to-day. The second epic, the Rāmāyaṇa, has always stood as the type and origin of the refined one-author poem, and whatever may have been the date of its germ as a story, as an art-product it is later than the Mahābhārata.

Thus the oldest references which may indicate epic poetry point rather to the story of the Bharatas than to the story of Rāma. These references, however, in any event are not nearly

[1] Weber, *Ind. Lit.*, p. 68 = Eng. trans., p. 58.

old enough to warrant the assumption of immense antiquity made by the native tradition. The language of both epics is not Vedic but a popular form of Sanskrit, which was developed by the bards and became the recognised language of narrative poetry; and their metre is the final reproduction of Vedic metres in modern form. Both language and verse are not widely different from those of the latest Sūtras. We may reasonably conclude, then, that the latest Sūtras and the epics belong to the same period, and that they represent two contemporary styles of literature, the former priestly and the latter secular.

There can be no doubt that, so far as much of their subject-matter is concerned, the epics and the Purāṇas are the literary descendants of the stories and legends (Itihāsas and Purāṇas) which are mentioned in literature from the time of the Atharva-veda onwards; and the particular legend or historical tale (the two are confused) which is embedded in the Mahābhārata or 'great epic of the Bharatas' is also not wholly without scholastic affinities. Just as the Brāhmaṇas held the kernel of the Gṛihya Sūtras, so the great epic through its promulgator, as traditionally recorded, is connected with the school of the White Yajurveda. Parāçara is a name especially common in this Veda, occurring often in its genealogical lists; and the epic acknowledges the Çatapatha as the greatest of Brāhmaṇas, while the heroes of the epic are particularly mentioned in the Brāhmaṇa, and indeed in such a way that Janamejaya, prominent in the epic, is treated as a recent personage by the authors of the latter part of the Brāhmaṇa, though the epic treats him as a descendant of the chief epic hero. The explanation of this is not such a mystery as it seemed to Weber, who was unable to reconcile the facts that the same person was the descendant of the later family and yet appeared as an immediate predecessor or contemporary of the earlier. The explanation is simply that at the time of the eleventh Kāṇḍa of the Çatapatha Brāhmaṇa, Janamejaya to the priestly author was an historical character, while to the epic poet he was legendary, and the poet himself was, if not a bard, a domestic chaplain probably incompetent to analyse history, but anxious to give his tale a noble frame.

Other early allusions to epic characters only show that the epic which we now possess was unknown. Vaiçampāyana and Vyāsa are mentioned as early as the Taittirīya Āraṇyaka, but not as authors or editors of the epic which is now their chief claim to recognition. The word *mahābhārata* is used by Pāṇini, but only

as an adjective which might be applied to anything great connected with the Bharatas, a hero or town, as well as a war or a poem. But above all, the Mahābhārata epic is at bottom the story of a feud between Kurus and Pāṇḍus, and the Pāṇḍus are unknown to the early literature, either Brāhmaṇas or Sūtras. The idea that the original epic was a poem commemorating a war between Pañchālas and Kurus, which was ably developed by Lassen (*Ind. Alterthümskunde*, I, pp. 692 f.), and adopted with modifications by Weber (*Ind. Literaturgesch.* pp. 126 and 203 = Eng. trans., pp. 114 and 186), is an ingenious attempt to account for what is assumed to have existed. As a matter of fact a Mahābhārata without Pāṇḍus is like an Iliad without Achilles and Agamemnon; we know of no such poem. The Kurus and Pañchālas are foes in the epic but only as the Pāṇḍus ally themselves with the latter. The Kurus of the epic, however, are doubtless the Kurus celebrated in ancient times; even the family records show that the epic reflects the glory of these old aristocrats. Thus the names Ambā and Ambikā as wives of a Kuru in the Çatapatha Brāhmaṇa are preserved in the name Ambā (Ambikā) as mother of the king of Kurus in the epic. The first occurrence of the name Pāṇḍu which can be dated seems to be in a *vārtịka* or supplementary rule to Pāṇini IV, 1, 44, attributed to Kātyāyana (c. 180 B.C.). The Pāṇḍus, whatever may have been their antiquity, first come into view with the later Buddhist literature, which recognises the Pāṇḍavas as a mountain clan, and possibly in the myth mentioned by Greek writers in regard to a Hindu Heracles and his wife Pandaia, though the latter is indeed of little weight. The epic Pāṇḍus are not a people but a family.

It is not till the second century B.C. that we find unmistakable allusion to what we may probably call our epic poem, in the account of the Mahābhāshya, which alludes to a poetic treatment of the epic story and speaks of epic characters. The second century B.C. is also the period to which those portions belong in which the foreign invaders of the Punjab—Yavanas, Çakas, and Pahlavas—are mentioned (*v. sup.* p. 224). These foreigners are represented as fighting on the side of the Kurus. As for the Pañchālas being opponents of the Āryan Kurus, the Çatapatha Brāhmaṇa represents them as allies, and in early literature they are frequently mentioned as forming one people, the Kuru-Pañchālas. A single reference in a formula may, indeed, imply disdain of the Pañchālas on the part of the Kurus[1], but it is not certain that any racial

[1] Weber, *Ind. Lit.*, p. 126 = Eng. trans., p. 114. *V. sup.* Chapter V, p. 119.

antagonism existed between the two. We may say with Weber[1] that 'the epic commemorates a fight between Āryans in Hindustān after the time when the original inhabitants had been overthrown and Brāhmanised,' only on the assumption that Kurus, Pañchālas, and Pāṇḍus were Āryans; but this is doubtful, and the force of the remark is in any case somewhat impaired by the fact that contests between Āryans are no indication of late date, since such contests are commemorated even in the Rigveda.

It is possible that the Pañchālas represent five Nāga clans (with *ala* 'a water-snake' cf. Eng. *eel*) connected with the Kurus or Krivis (meaning 'serpent' or 'Nāga'), and that none of the families is of pure Āryan blood, for the Nāgas in the epic are closely related to the Pāṇḍus; but all such considerations at present rest on speculation rather than fact.

Whether we are to suppose that, anterior to our extant epic, there was a body of literature which had epic characteristics, must depend also largely on speculation regarding the few well-known facts in the case. These are briefly as follows. At certain ceremonies, not chiefly heroic, Gāthās, 'strophes,' in honour of great men are sung with the lute as accompaniment. These verses apply to men of the past or present, that is, they are laudatory verses of a memorial character[2]. Further, the Gṛihya Sūtras recognise Nārāçaṃsīs, a sort of κλέα ἀνδρῶν, 'hero-lauds,' as a literary genre. These may have served as nuclei for the stories of heroes preserved in epic form. In the epic itself genealogy forms an important sub-division, and such a genealogy includes the origin of gods as well as of men. Now the Brāhmaṇas also know what they call the Devajana-vidyā, 'knowledge of the gods' race'; and since the epic genealogy of gods is in many ways indicative of respectable antiquity, it is possible that it derives from such a *vidyā* or science. The stories told in the Brāhmaṇas, like that of Hariçchandra in the Aitareya Brāhmaṇa, often have epic fulness and likeness, being composed in the later epic verse though in ruder metre. In these also we get a form of narrative told in verse which might presumably have evolved into epic form. A great deal of the inflated epic is didactic, and much of this is derived from didactic sources older than the present epic. Thus dramatic tale, genealogy, and instruction in pedagogic form have all aided in the making of the epic. Even the theology of the epic has its prototype in the Brāhmaṇas, where Vishṇu is

[1] *Op. cit.*, p. 204=Eng. trans., p. 187.

[2] Compare *Indische Studien*, vol. I, p. 187.

already the 'best' or most fortunate god (*çreshṭha*), and Çiva is already called Mahādeva.

In the hymns of the Rigveda we find stories in verse which appear to need the complement of explanatory prose, and as the epic also has examples of this mingling of verse and prose in the telling of a story, it is possible that we may have the right to presuppose a sort of epic narrative even in the time of the Rigveda. Yet this presumptive epic of the Rigveda is so entirely a matter of theory, and not undisputed theory, that it may be left out of consideration when discussing the historical epic, as the presumptive drama of the Rigveda may be ignored in discussing the origin of Hindu historical drama.

The element in ancient literature which seems at first most likely to have contributed to the rise of epic poetry is that already mentioned under the name of Nārāçaṃsī or 'hero-lauds,' withal not so much on account of the subject-matter as on account of the circumstances in which the lauds were sometimes sung. At the yearlong celebration preparatory to the horse-sacrifice ten days were devoted to a series of lauds of gods and heroes, whereby the nobility and great deeds of kings were sung by priest and warrior musicians in Gāthās of an extemporaneous character, while the recitation of legends in verse accompanied various events of life[1].

Now there are certain scenes in the great epic which lend themselves especially to such an interpretation. One can well believe, for example, that the story of Ambā, who was carried off by Bhīshma from her home and given to Çalya (v, 173 f.), was best rendered as a thrilling lay; its intensity is almost equal to that of the gambling-scene[2] (II, 60 f.). But there are many others not suited for anything save recitation, not to speak of the interminable didactic material loaded upon the epic by the bookful. How are we to reconcile this mass with a theory of lyric recitation or song?

A study of the interpolations in the so-called Southern text shows that thousands of verses of narrative and didactic material have been added to the epic text, and that the redaction comprises a shameless incorporation of material drawn from the Purāṇas and from the Harivaṃça, a sort of Purāṇa which was added to the Mahābhārata, as well as elaborations of the original text, sometimes by

[1] Cf. especially Weber's article in the Proceedings of the Berlin Academy for 1891 (*Episches im vedischen Ritual*) and that of Lüders in *Z.D.M.G.*, vol. LVIII, p. 707 f.

[2] Cf. also the half-forgotten tale of Vidulā, revivified to-day by Professor Jacobi (*Ueber ein verlorenes Heldengedicht der Sindhu-Sauvīra*) in the *Album Kern* (1903), p. 53.

the insertion of a dozen or so verses, sometimes by the addition to a chapter of half a dozen new chapters narrating feats of the heroes or insisting on the godliness of a demi-god. Now there is no reason not to suppose that the same process has made the Mahābhārata what it is from the beginning. It contains at present a hundred thousand verses, with some prose admixture, but internal evidence shows that this is an accumulation; and the text itself admits that it was originally less than nine thousand verses in length. As we have seen above (p. 251) the Gṛihya Sūtra of Āçvalāyana mentions both a Bhārata and a Mahābhārata, no doubt a shorter and a longer version of the same poem. The theme of the epic as a story, the conflict between Kurus and Pāṇḍus, is at most not so long, about twenty thousand verses, as the whole Rāmāyaṇa, or twenty-four thousand verses. In short, in the great epic of India we have a combination of matter, partly epical, partly pedagogic, partly narrative or historical. The genealogies and the religious-didactic parts are not necessarily later in date, but they are later additions to the original material. Some of the additions may be as old as the original or even older, but this does not entitle us to maintain that the epic was originally didactic, nor is this the best explanation of the heterogeneous mass which we call the epic, and which in its present form resembles such a combination as, barring dialectal differences, might be effected by combining a few books of the Iliad with Hesiod, extracts from Euripides, Theocritus, Aristotle, and a few chapters of the New Testament. With this exception, most of the didactic material is not for the everyday man, but distinctly for the military caste. Even the philosophy is not for the philosopher, the priest, but for the king and his nobles. The predominative religion, too, is that of the kingly caste[1]. Indra is their sovereign Lord: and the heaven of Indra, with his celestial nymphs, the Apsarasas, is the reward for kingly duty faithfully performed on earth. The lower castes, Vaiçya and Çūdra, the agriculturist, the trader, the slave, are scarcely recognised except adventitiously, as it becomes convenient to refer to them. The epic is thoroughly aristocratic, a work completed by priests for warriors, to recount the deeds of warriors and show them the need of priests, who convert to orthodoxy the service of popular gods dear to the local aristocracy. The epic has thus become what it calls itself, the 'fifth Veda,' and may be regarded either as a didactic storehouse (it calls itself a Dharma Çāstra) or as a

[1] Cf. Rapson, *Ancient India*, p. 72.

ıagnified Itihāsa-Purāṇa, which even before the epic existed was əgarded as supplementing the Vedas. Both elements are united, əligious-didactic and legendary, in such parts as treat of the emons, gods, and seers of old. How ancient may have been ollections of such material prior to our extant epic is uncertain; ut the evidence for earlier collective works does not appear to e convincing. That a mass of legends existed and that this mass ras used by Brāhmans and Buddhists alike as they needed them ıay be granted, just as the mass of fables known to the ancient rorld was utilised by the epic writers and by those who composed he Buddhist Jātakas, though India had no Aesop.

Many of the characters of the Mahābhārata appear to be real, ıistorical figures. Others are mythical, in that they represent a ersonality evolved from a divine name or a local hero-god. Thus he name Arjuna is first a title of Indra, whose son the epic ırjuna is; but his cousin Kṛishṇa is a local demi-god hero, and here is no reason to doubt the historical character of the king f Magadha who was a foe of this pair and a Çivaite, though what s said about him in the epic may be merely the exaggeration of egend, as sung by the bards who made expeditions with the army ınd sang the exploits they themselves had seen[1]. The stories of ıistorical characters, like king Janaka, also reflect history through he mists of legend. The complete anthropomorphisation of ıeavenly beings, which some scholars are reluctant to admit as ı possible phenomenon in the best of cases[2], is found in the Hindu epic, especially in the inserted tales of the gods; but it loes not appear at all certain that any epic hero represents a ıeavenly being in either of the Hindu epics. Kṛishṇa in the Mahābhārata and Rāma in the Rāmāyaṇa are forms of the sun-god only as being identified with Vishṇu as All-god; and in the case of the Rāmāyaṇa this is a palpably late procedure, while it is doubtful whether Kṛishṇa was ever a form of the sun. Both Rāma and Kṛishṇa appear to have been tribal heroes, mythical perhaps but not products of divine mythology. But, as no attempt has ever been made to separate myth from history in India, it is impossible to say whether Kṛishṇa, the divine hero of the

[1] The Sūtas or bards were also charioteers. They made a special sub-caste and lived at court, while the Kuçīlavas learned the songs of the bards and wandered among the people at large singing them. This name was resolved into Kuça and Lava who are represented as two singers, sons of Rāma. They learned the poem of Vālmīki and recited it among the people, as the later story goes (*Rāmāyaṇa*, I, 4). The Magadha king Jarāsandha was the ruler of the East, as the Pāṇḍus were his rivals in the West.

[2] Chadwick, *The Heroic Age*, p. 265.

Mahābhārata, ever really existed, though this is probable. Krishṇa served as the charioteer of Arjuna, the chief Pāṇḍu and epic hero; and though he promised not to fight in person he did all he could to keep up and intensify the enmity between the Pāṇḍus and their related foes, the Kurus, not avoiding even tricks opposed to knightly honour. It is not likely that such shameful acts as those recorded of him by his own followers would have been invented of a god, but rather that the tricks belonged to him as a hero, and that no amount of excuse, of which there is enough offered, could do away with the crude facts of tradition, which represented the man-god Krishṇa as a clever but unscrupulous fighter. A later age exonerated him by offering various excuses, the higher morality of imperative need[1], the tit-for-tat rule (one sin to offset another), etc., just as it offered various explanatory excuses for the polyandry of the Pāṇḍus, who, however, as a northern hill-tribe or family, probably were really polyandrous and needed no excuse[2].

Although the epic age in India must necessarily be an epoch too elastic for historical purposes, since it is not at all certain that any one epic statement may not be many years later than another, yet the effect of this now trite observation is to exaggerate the relation between isolated cases and the epic mass. It is true that we have additions to the greater epic which are hundreds of years later than the mass, but it is possible from the mass to get an impression which will represent conditions on the whole, and we are tolerably sure that this whole is bounded by the space of from three to four centuries, since external evidence, inscriptions, the Greek reference to the Indian Homer[3], etc., prove that the great epic in nearly its present extent existed before the fourth century A.D., and negative evidence in India makes it improbable that any epic existed earlier than the fourth century B.C. Since the length of the work requires the assumption of several centuries for its completion as it now exists, the centuries immediately preceding our era seem to be those to which it is most reasonable on general grounds to assign the composition of the Mahābhārata

[1] Thus Krishna is made to say, 'If I had not done this (unknightly deed) our side would have been beaten,' and this is accepted as an excuse; but an excuse was demanded.

[2] Polyandry is not denounced in the Sūtras; but this is no proof that the Pāṇḍus lived before they were composed. The custom is found among the hill-tribes and also sporadically on the plains. Strictly speaking, epic polyandry is the marriage of one woman to a family of brothers.

[3] Chrysostom, A.D. 347–407; see *Ind. Stud.*, II, pp. 161 f.

as a whole. This agrees best also with the external data to which reference has been made in the preceding chapter. During these centuries we find a revival of Brāhmanism, a cult of Vishṇuism by the masses and a return to Brāhmanism in a modified form indicated by the Çivaite faith of the kings of the north-western part of the country. Now Vishṇuism is the cult that permeates the great epic, though it contains tales showing an older Brāhmanism, and the Çivaite portions are chiefly late in character. Again it is not unreasonable to assume a certain connexion between the two epics. We cannot think of them as isolated productions of the western and eastern parts of the country. That they represent in general a western and eastern cycle of epic material is true, but there are sundry considerations which make it impossible to believe that they arose independently. In the first place, while the metre of the Mahābhārata represents a less polished verse than that of the Rāmāyaṇa, that metre is so nearly that of the Rāmāyaṇa, especially in its later portions, that the two are practically the same. Secondly, there are many tales, genealogies, fables, etc., which are identical in the two epics. Thirdly, the phraseology of the two epics is so cast in one mould that hundreds of verse-tags, phrases, similes, etc., are verbally the same. These correspond to the iterata found in Homeric verse, and indicate as do the Grecian parallels that there was a certain common epic body of phrase and fable. Fourthly, the economic conditions and social usages as represented in the two epics are sufficiently alike for us to be able to draw on both together for a picture of the times showing few discordant elements. In detail, the references in the Rāmāyaṇa betray a later or more advanced stage in some particulars, such as architectural elaboration, plans of temples, etc., which may be due to a higher civilisation ; but in general the life of priest, noble, people of the lower castes, slaves, etc., is the same in both epics, and except for the use of caste-names does not differ from that exhibited by Buddhistic works of the same period. The chief difference here is that the Buddhists speak more of householder and gildman as if they were separate orders. But the Gehapati or householder is also a common expression for the ordinary man of affairs in Sanskrit works, and the gilds as shown above in discussing the Sūtras (p. 247) have their importance admitted by the authors of the Sūtras and epics alike. It is therefore more a question of terminology than a vital distinction when we find that the social order is reckoned as composed of priest, warrior, householder, gildman, instead of priest, warrior,

and 'people's man,' Vaiçya, as the Brāhman priests divided the 'regenerate' members of the community[1].

The main difference in the presentation of social data given by the Brāhman and the Buddhist is the one already referred to. The Buddhist does not accept the spiritual authority of the Brāhman and belittles him as a caste-member; but he cannot rid himself of inherited faith and phrase, and so constantly recognises him as member of a caste or order like that of the monks. On the other hand, the Buddhist state was a democracy in spirit; the teaching of the church (to use the word) was apt to exalt the humble and lower the aristocracy. The emperor himself was humbled by himself, and his nobles became subject to the religious law of love and kindness, while any common person was magnified for piety and could obtain high office in the council chamber. This was not only theoretically true; it affected the whole constitution of the State. The merchants and farmers and the mass of working people were endowed with a new influence, which superseded for a short time the influence of priest and noble. It is sometimes said that this was no supersession; that Buddhism arose before the four orders were recognised as state constituents, and that in the freer use of householder and merchant (such was really the Seṭṭhi or gildman) we have the expression of a freer life not yet bound in four-caste orders. It is probable that at all times the third 'caste' was an elastic term for every Āryan not priest or warrior; but it connoted pure blood and hence excluded those 'mixed castes' which were sometimes higher, but more often lower, than the house-slave. A great mass of these people were the hill-tribes reduced to servitude or to low pursuits, such as leather-workers, fowlers, etc., all those useful but dirty and disagreeable people whom the Brāhman despised and the Buddhist affected to love and honour. But the consideration shown to the low orders and the dignity attained by the merchants under a king who had no use for war are no proof that these traits were antecedent to an acknowledgment of the aristocratic classes. In fact, in the same district in which Buddhism arose and where the Buddhist emperors reigned, some at least of the Upanishads and

[1] For the nomenclature of the Buddhists, cf. Fick, *Die sociale Gliederung in nordöstlichen Indien zu Buddha's Zeit* (1897), pp. 19 f. and 162 f. Cf. also Senart, *Les Castes dans l'Inde*, where the contention is upheld that castes (so-called) are really social orders. Fick's expression *Zu Buddha's Zeit* is used with the freedom which characterises almost all Buddhist scholars when writing of Buddhist literature. He means no more by it than early Buddhist literature, and under that head are included the Jātakas which, in their present form, are centuries later than Buddha's time.

Brāhmaṇas were composed, and these pre-Buddhist works all acknowledge as a matter of course the high rank of the two upper castes and the vulgarity of the lower, who exist, especially the farmers, 'to be eaten' by the king. The Buddhist attitude then is not an archaic attitude or one subsequently followed by the evolution of a theory of 'four castes,' but is due to a revolutionary insistence on virtue and use as tests of nobility. It is clear from both epics that the attitude toward the lower castes was not dissimilar to that held by every aristocracy toward the useful but undesirable proletariat. Both epics are from the beginning court-epics, to be recited before nobles and kings and priests at the great sacrifice which designated a supreme ruler, as the earlier texts indicate; but, as the epics themselves intimate, to be recited first at court and then popularised and recited among the people. The description of a recitation of the Mahābhārata given in the work itself implies, however, that this was not such a popular recitation as occurs to-day (for the great epic of India is still recited dramatically to village throngs), but one conducted in the house of a gentleman of leisure for his private entertainment.

Before discussing the conditions found in the epics it will be necessary to mention adversely two hypotheses in regard to the time in which the great epic was composed. Both are exaggerations, based partly on neglect of pertinent data, of views already considered. The first of these is the theory that the Mahābhārata is a product of our middle ages, that is, that it was a late output of the renascence. The discovery of inscriptions showing that the epic was essentially the same as it is now centuries before the middle ages of course disproves this ill-considered theory, but the great work in which it is elaborated will always remain a mine of useful information[1]. On the other hand, the theory that the Mahābhārata is a work of the fifth or sixth century before Christ and the product of one author who composed it as a law-book[2], is a caricature of a fruitful idea of the late Professor Bühler. As it violates every known principle of historical criticism it may be passed over without discussion. The epic was composed not by one person nor even by one generation, but by several; it is primarily the story of an historic incident told by the glorifier of kings, the domestic priest and the bard, who are often one[3].

[1] Adolf Holtzmann, *Das Mahābhārata und seine Teile* (1892–95).

[2] J. Dahlmann, *Das Mahābhārata als Epos und Rechtsbuch* (1895); and *Genesis des Mahābhārata* (1899).

[3] That besides the professional bards the domestic priests were eulogisers of the king may be remarked from the epic tale of the king's daughter who reproaches the

The germ of the Mahābhārata is the description of the overthrow of the Kurus, a Bharata clan, at the hands of the Pāṇḍus. A thinly veiled genealogy represents the Pāṇḍus as cousins of the Kurus. In reality, they were a new family or clan, who built up a kingdom and then obtained supreme power by allying themselves with the Pañchālas and attacking the Kurus, who are represented as living about sixty miles north of the Pāṇḍus' settlement, which was the present Indarpat (Indraprastha), near Delhi.

The 'cousins' called Pāṇḍus first excited the jealousy of the Kurus when the latter were obliged to come south and offer tokens of submission to the Pāṇḍu king, who had crowned himself as emperor and performed the horse-sacrifice establishing this title. Resorting to trickery, the Kurus invited the Pāṇḍus to make them a visit. The somewhat uncouth Pāṇḍus, who are described as good examples of *nouveaux riches*, flaunting in the eyes of their guests all the evidence of their wealth and making the lowly but aristocratic Kurus objects of ridicule[1], despite their sudden rise to power were not yet adepts in courtly arts, and the chief art for a knightly gentleman of that day was gambling. As the Pāṇḍu king says, no gentleman (warrior) can refuse to fight or gamble when challenged. The Kurus were an old house and had the skill of the court at their command, however poor they might be in worldly goods. The Kuru prince, who had been humiliated, concocted a scheme to overthrow the Pāṇḍus by gambling. The old king, his father, was a noble at heart as well as by blood and made what protest he could against this scheme, which he knew implied cheating at dice. But he was old and blind; and it was not the custom to pay any regard to what a man said after he grew old. When any man's hair grew grey he was expected to abdicate his power in favour of his son and retire from active life. What regard was paid to him thereafter was a matter of courtesy. He usually made over his property to his sons and disappeared literally or to all intent, becoming a wood-dweller. If such was the fate of the ordinary old man, the fate

daughter of the domestic priest: 'I am the daughter of a king, who is lauded; thou art only the daughter of the laudator.' The first priests who handled the epics were of this sort, domestic priests, royal chaplains, indifferently well read in theology and philosophy but conversant with the rites of the Atharvaveda, which as a popular work of its day is associated with the earlier form of epic (*Chhāndogya Upanishad*, III, 4).

[1] The Kuru prince complains that mirrors were so set in the floor of the Pāṇḍus' palace that he was made to think them ponds, etc. Every effort was made to humiliate the Kurus.

of kings was worse, as there was more to gain by their suppression. No regard at all was paid to the old king, who was king only in name. The Pāṇḍus were challenged to a friendly game of dice to be played in the Kurus' city. It may be remarked here that the old site of the Kurus at the famous Kuru Plain had evidently been given up, as the Kurus were pushed back to Hastināpur, where they lived at the time of the epic story. The Pāṇḍus vaingloriously assented to make this return visit and see their kinsmen in the north. On arriving they were courteously received, and after spending a night with their hosts proceeded to the gambling-hall, where in one throw after another the Kuru prince, playing by proxy and thus securing the aid of the best gambler at court, won all the wealth, family, and kingdom of the Pāṇḍu emperor, who, however, ventured to play once more for the stake of banishment. As the emperor had already played the lives of his brothers and wife and lost, this last throw was an effort on the part of the Kurus to get them out of the way without imprisonment or other disgrace which might have occasioned a rising of other allies of the emperor. As it was, the Pāṇḍu king gave his word that, if he lost the last throw, he would go into banishment for twelve years with all his family. After the twelve years were over, he and his brothers took refuge with the Matsya clan, and from that vantage-point collected other allies, marched to the Kurus' land, were met at Kuru Plain, defeated the Kurus, and regained the old power. It is noteworthy that in all the twelve years of banishment the bitterest note in the lamentations of the Pāṇḍus is not the loss of the kingdom but the insult to their wife. As related above, they were a polyandrous race, and the king and his four brothers were husbands of Kṛishṇā. When the king had gambled away his brothers and himself, he offered to gamble their wife and did so, though the proceeding raised the legal question[1] whether one who had already made himself a slave could gamble away anything, slaves possessing nothing. The question being over-ruled, however, the wife was dragged off and insulted by the brother of the Kuru prince. Now whenever the Pāṇḍus, who are fulfilling the pledge to remain in banishment, begin to bewail and plan revenge, it is the former plight of Kṛishṇā Draupadī which evokes most anger. Not the cheating at dice, though that is not forgotten, but the insult to Kṛishṇā, who was dragged into the assembly of men and made a slave dishonoured, animates the Pāṇḍus in their despair

[1] No legal authority is cited in this scene, however, though the question is argued by the old men who sit and look on during the gambling.

and causes Bhīma to vow that he will drink the blood of the Kuru prince, a threat which he fulfils on the field thereafter.

There is, under another form, the violation of the rite of hospitality and virtual abduction of Krishṇā, the same nucleus of tragedy here which makes the simple Rāmāyaṇa appear like an echo of the Iliad. In the Rāmāyaṇa, the heroine is carried off by a treacherous fiend, whom Rāma pursues and slays after a long interval. But the Rāmāyaṇa differs essentially from the Mahābhārata not only in its style but in its spirit. Its most spirited scenes occur before the epic plot begins. After the introduction, in the history of Sītā, Rāma, and Rāvaṇa, turgidity replaces tragedy, and descriptions of scenery and sentimentality take the place of genuine passion. The didactic overload is indeed lacking, and the Rāmāyaṇa gains thereby; but in this epic the note of savage lust and passion which is the charm of the Mahābhārata, as it reveals genuine feeling of real men, is replaced by the childish laments and pious reflections of Rāma, whose foes are demoniac spirits, while his allies and confidants are apes. It is a polished fantasia, the first example of the Kāvya or 'artificial' poetry, which appeals to the Hindu taste much more than does the rough genuineness of the Great Epic. The Rāmāyaṇa is in truth artificial in both senses, for one cannot possibly believe the tale; whereas the Mahābhārata makes its tale real and one believes it as one believes that the Achaeans overthrew Troy, however embellished the account may be. The fact is that the Great Epic is the one human document after the appeal of religious sincerity in the primitive hymns of the Veda.

The reason for this lies not alone in the fact that literature after the early Vedic age is chiefly liturgical and didactic, for this only shifts the explanation. Sanskrit literature is without power of literary expression from the hymns of the Rigveda to the Upanishads, and again from this time to that which produced the dramatic scenes of the epic, because it was in the hands of priests whose whole interest lay apart from real life. The same spirit which produced the best Vedic hymns, the spirit reflecting independence and freedom, appears in the royal literature, if we may so call it, which stamps the age of the Upanishads and of the great epic in its earlier parts. The Upanishads are in part the product of unpriestly, or at least anti-ritualistic, thought, and the epic also emanates from the throne and not from the altar. As the Upanishads embody the cultured philosophy of king and noble[1], so the epic scenes of love and war reflect the life of court and

[1] For another view, see Chapter v, p. 144.

camp. They breathe a different spirit, as they come from a different source than does the literature of the Brāhman, until indeed the all-grasping hand of the priest seized even the epic tales, and, stifling all that was natural in them, converted them into sermons, to teach the theology of the priest and impart to the king the teaching best calculated to further priestly greed[1].

The sociological data of the epic period show that society had advanced from a period when rude manners were justifiable and tricks were considered worthy of a warrior to one when a finer morality had begun to temper the crude royal and military spirit. This is sufficient explanation of that historical anomaly found in the Great Epic, the endeavour on the part of the priestly redactors to palliate and excuse the sins of their heroes. Arjuna shoots his rival, Karṇa, while the latter is helpless. But an act like this, which was doubtless considered clever at first, became repugnant to the later chivalry. Then the demi-god hero Kṛishṇa is made to be the source of the sin on the simple ground that if divine Kṛishṇa commands, it is right. Arjuna is now made to shoot reluctantly, in obedience to the divine command. But this may not be cited as a precedent against the later code, because it was a special case in which the act was inspired by God from occult motives outside the sphere of human judgment. So with many other sins committed by the heroes. They reflect an old barbarity later excused. It is not necessary to assume with Holtzmann, von Schroeder, and others that the epic tale has been 'set upon its head,' that is, that the whole poem was originally in honour of the Kurus, and was then rewritten to honour the Pāṇḍus, and that in this last process the 'sins of the Pāṇḍus' reveal the original attitude of reproach taken by the Kuru poet[2]. There is a difference morally between the Kurus and Pāṇḍus. The Pāṇḍus offend against the later military code. Thus the Kurus reproach the Pāṇḍus because their chief warrior interfered in a combat between two warriors and killed his friend's foe, who was being worsted in the fight. The Pāṇḍu simply laughs at the

[1] Thus whole sections of the Anuçāsana (the thirteenth book of the Mahābhārata) are devoted to instilling the moral grandeur of those kings who give land-grants, cows, gold, and clothes to the priests. At the same time, much that is didactic is imbedded in the poem without this aim. Only the tendency is apparent to extend moral teaching to instruction calculated to subserve the ends of cupidity.

[2] For detailed criticism of this theory, see the present writer's monograph on the *Position of the Ruling Caste in Ancient India* (*J.A.O.S.*, 1888). The explanation of the poem as a myth of nature, Krishna representing earth wed to the five seasons, etc., is unnecessary though ingenious. It was proposed by Ludwig in the *Transactions of the Royal Bavarian Academy* (vi Folge, 12 Band).

reproach. 'Why' (says he) 'of course I killed him. I saw my friend worsted, and interfered just in time to save him,' intimating, as is clearly stated afterwards, that a conflict on a field of battle is not a polite duel ('That is no way to fight'). But the Kurus are just as wicked as the Pāṇḍus, only they are diplomatic. Their sins smack of cultivated wickedness. They get an expert gambler to ruin their rival. They secretly seek to burn their enemies alive. They form a conspiracy and send out ten men under oath to attack Arjuna. They slay Arjuna's son first, in order to weaken Arjuna's heart. In a word, they are cunning and sly; the Pāṇḍus are brutal and fierce. Two types of civilisation are embalmed in the poem.

The most striking difference between the knights of the epic and the priestly power, which in the end controlled them, is that the warrior-caste was the royal caste and hence represented state-power, a political body, whereas the priests were never more than a caste of individuals. They represented no church-power. There is thus a fundamental lack of priestly organisation; there is nothing parallel to the Church of Rome in its contests with European state-power. Individual priests, without financial resources but dependent on the local rāja for support, could do nothing save persuade the rāja. But superstition aided them; and persuasion aided by superstition became a compelling power, which, however, was exerted only for two objects, the exaltation of the individual priest or of the priestly caste and the inculcation of religious and moral precepts, never for the formation of a worldly power within, but independent of, the State. There was no caste-head. When strife arose between priests, as it constantly arose apropos of a fat office to be enjoyed (the epic furnishes examples), each individual priest fought for his own hand; he had no bishop over him; and there was no pope to oppose a king. Thus, while the priestly law-book says that 'the priest is the norm of the world,' the epic says 'the king is the norm.' The law says that a priest has the right of way even over a king; the epic narrates that a king meets a priest and calls out to him 'get out of my way,' and despite the law, as cited, smites the priest with his royal whip. Such scenes show that the king is not yet the creature of the priest, but that the epic unconsciously reflects a freer life than that depicted as ideal by the later priests, who teach that the king is a steward divinely appointed to provide for them.

Somewhat as in Buddhist literature we must therefore reverse the importance of the two 'upper castes,' and regard the epic

state as consisting in a military power, whose head is the rāja; then a priestly power, politically unorganised, but divided into schools; then the merchant-power, represented by gilds, whose powerful heads (*mahājana*) are of political importance; then the farmers, unorganised but tenacious of certain religious rights and boasting of Āryan blood. The two last classes form one body only because they are neither of them noble (royal) or priestly or un-Āryan. No other tie unites them. The merchants in general belong to the town, the farmers to the country; the two are the historical divisions, brought about by economic conditions, of that order called 'the people,' in distinction from noble and priest. This was the Āryan state. Below the Āryan constituents were the many who were either remnants of wild tribes or slaves, descendants of conquered clans of other blood. They are all mentioned in the epic, as well as foreigners or barbarians. Although town-life is well known, yet the farmers and cattlemen were perhaps more generally typical, on account of their numerical superiority, of the order to which each belonged. So it is said: 'Work is for the slave; agriculture for the people-caste' (*Mbh.*, XII, 91, 4), or again 'The work of the Vaiçya is to tend cattle'; less commonly 'The duty of the priest is to beg for sustenance; of the warrior, to defend the people; of the people-caste, to make money; of the slave, to work (manually)' (*ibid.* V, 132, 30). It will be observed that the cattle-raising 'people' are ignored in favour of traders in the last citation, though 'to make money' may imply farmers and cattlemen as well as traders.

The slave possessed nothing; his tax was paid in manual labour, for he had no money or other possessions, 'there is no *suum* in the case of a slave' (*ibid.* XII, 60, 37). The slave comes 'from the foot of God' (as the warrior is born of God's arm) and hence is 'born to servitude.' The Çūdras are especially the slaves of the merchants and farmers; for though they are told to be 'faithful to priest and warrior' they are said in particular to 'serve the people-caste' (*ibid.* I, 100, 11). They are also marked as the 'blacks' in distinction from the priests who are white[1]. The military character of the epic precludes much attention to the slaves,

[1] It is doubtful whether the finer distinction here made (*Mbh.*, XII, 188, 5), namely that the warrior(-caste) is red and the people-caste yellow, indicates a real racial distinction; especially since there is no other indication that these Āryans are racially sub-divided; whereas the distinction between white and black is an early mark of the difference parting the Āryan and un-Āryan and goes with the nasal distinction noticed in the Vedas between 'good-nose' and 'no-nose' people. The epic poets still speak of their Āryan heroes' 'fair-noses.' See also Chapter IV, p. 85.

who as a fighting host are naturally not of importance, though they may be referred to under the designation 'the black mass,' for the great hosts led into the field comprise many of the slaves as camp followers and helpers. What is very important is that the lowest Āryan caste, the body of farmers, is on the verge of mingling with the slave-caste. No priest may become a slave, however distressed for sustenance he may become; but a slave may become a herdsman or trader if he cannot support himself by service (this is the epic and legal rule), and in fact the farmer population was largely composed of slaves. In the ethical parts of the epic, where caste-distinctions are theoretically abolished in favour of the rule that 'there is no distinction of caste' (religiously), the slave is even allowed to study and may get a reward for practising religious exercises (*Mbh.*, XII, 328, 49; XIII, 132, 14), and a learned slave gives moral instruction; but this does not seem to correspond to real conditions where the slave is reckoned next to the beast (*ibid.* XIII, 118, 24). The old spirit of the Brāhman period, which declares that 'priest, warrior, and people constitute the whole world' is still practically in force.

The people are settled in small villages around a fort, which remains as a *grāma* or 'crowd' (village) or expands into a town, *nagara*. Small settlements are called *ghoshas* or *pallīs*, some of them 'marches' (*prāntas*, 'on the border'). The distinction between these and the places called *kharvaṭas* and *pattanas* is not clear, though the *grāma* seems to be smaller than the *kharvaṭa*, which in turn is smaller than the *nagara*. Perhaps village, town, city would represent the series. The villages were largely autonomous though under the 'overlord' of the king, who administered justice and laid taxes. In all smaller affairs of life, 'authority rests with the village,' according to law (Pār., *Gṛihya Sūtra*, I, 8, 13) and the epic seems to uphold even family custom as legally sufficient. Thus as one man says (*v. inf.* p. 291) that he demands a price for his daughter, because that is his 'family-custom,' so another defends his occupation of killing animals on the same ground. It has always been the custom of Indian rulers to leave affairs as much as possible in the hands of the local authorities; and the headman of the village or the group of five elders were practically independent, provided the village paid its revenue as assessed by the *adhipati* or overlord.

The king rules not because of might alone but by virtue of his morality. A wicked king may be deposed; a king who injures his people instead of protecting them should be killed 'like a mad

dog.' Taxes there must be, because the people must be defended, and this costs; but they must be light, and vary according to need. The tax in kind is common. The merchant pays in kind and the ranchman pays in kind, but the town-people are fined in copper money for offences, though bodily punishment takes the place of fines in all cases where there is intent to deceive. Thus the shipping-duties paid by 'merchants coming from afar' are probably in kind (*Mbh.*, II, 5, 114). Frequent allusions to merchants 'using false weights' (cf. I, 64, 21 f.) show that a careful supervision of the market-place was necessary. The merchant-gilds were of such authority that the king was not allowed to establish any laws repugnant to the rules of these trade-unions. The heads of gilds are mentioned next after the priests as objects of a king's anxious concern[1].

The large part of the population employed as ranchmen in tending cattle has scarcely been alluded to as yet. They were perhaps the original 'people,' before agriculture was much practised and when merchants were few. At the time of the epic they seem to have become partly cattle-raisers and partly farmers, while the occupation of ranchman proper had fallen into the hands of barbarians who could not understand Āryan speech. Yet the one example of which the epic takes note shows that these were merely the cowboys who guarded royal cattle (*Mbh.*, IV, 10, 1). The king is here represented as having a royal picnic on the occasion of a 'cattle-branding,' when the court goes into the country and the 'ears of the cattle are marked' for the year. It is on this occasion that the Kurus lift the cattle of the Matsyas. Though accounts of such border-raiding in the old Vedic style are rare and this passage in particular can by no means claim special antiquity, yet it doubtless reflects a not uncommon state of affairs[2]. Very little in regard to these lowly members of the State, the cowboys and herdsmen, is to be gleaned from the epic; but one passage states what the low labourer of the 'people-caste' is to earn *per annum*: 'he should receive the milk of one cow for the care of six cows; and if he tend a hundred head he

[1] On the gilds, see *Mbh.*, III, 249, 16; XII, 54, 20; *Rām.*, VI, 111, 13; cf. Hopkins, *India Old and New*, p. 169. Their power may be guessed from the fact that the didactic epic recommends the king to circumvent them by bribery and dissension since 'the safe-guard of corporations (gilds) is union.'

[2] Compare the incidental cause of Arjuna's breaking his promise not to visit the king his brother while the latter was engaged with their common wife. A robber had come and driven off a priest's cow, and the good knight went into the palace to get his arms to attack the robber, doubtless an armed band.

should, at the end of the year, receive a pair. If he acts for the master as overseer of flocks or in agricultural labour, he should have one-seventh of the proceeds or increase, but, in the case of small cattle, a small part ('one-sixteenth'; *Mbh.*, XII, 60, 24 f.). The six 'distresses' of a farmer do not include excessive taxation, but raiding by a foreign king is included among them[1].

The royal soldiery includes not only the nobles of military standing supported by the king but the poor members of the same Āryan order who with the un-Āryan 'servants' (not slaves) formed the rank and file of the foot-soldiers. In battle they are mentioned merely as hosts of nameless archers, slingers, rock-throwers, etc., and outside of battle-scenes they are scarcely mentioned at all. It is stated that a *rathin's*, 'car-man's,' wage is 'one thousand,' that is, one thousand (coppers) a month, and that the king pensions the widows of fallen soldiers[2]. The chief moral laws for members of the military caste were hospitality, the sacredness of the refugee, the law 'not to forget' a kindness or a hurt, and the rule already referred to, that when challenged to fight or gamble it was inglorious to refuse. The captured warrior becomes the slave of his captor for a year; if the captor allows him to go free, the captor becomes the captured one's Guru or his 'father.' The sign of submission is to eat grass (*v. sup.* p. 247). When the Yavanas were conquered (in *Bṛihannār. Pur.*, VIII, 35) they 'ate grass and leaped into water.' The epic gives this grass-eating sign as a military rule. As compared with a member of the 'people-caste,' whose life is valued at a hundred head of cattle, the warrior's life is valued at a thousand (paid in case of murder). As for the prominent sins of the royal military caste, they are mentioned as hunting, drinking, gambling, and sensuality withal in a sort of *versus memoralis* which has come down as an apophthegm of law and epic (*Mbh.*, XII, 59, 60, etc.). Dancing-girls and prostitutes were a part of the royal retinue, and hunting was the chief recreation of kings, deer and tigers, killed by a king with his sword, being the favourite game. Lions were hunted with dogs, as attested by Aelian and

[1] The six distresses (*iti*) are not defined in either epic; but since they are mentioned (*Mbh.*, III, 279, 35) and the Purāṇas define them, it is probable that they already include those classified later as too much rain, drought, grasshoppers, mice, birds, and neighbouring kings (invasion).

[2] The warrior may have three wives, but probably one sufficed in most instances. For the pension, compare *Mbh.*, II, 5, 54, and for the wage, *ib.* 61, 20. The wage exactly equals the legal 'fine for manslaughter.' The epic copies the law in permitting destitute priests to become soldiers, as they may become farmers, but it is considered a disgrace for the king to allow priests to depend on such occupations for a livelihood.

mentioned in the epic (*Mbh.*, II, 40, 7). The Buddhist prohibition of meat-eating remains as a rule of propriety, but the tales show that eating meat was as common as drinking intoxicants and that this was the regular court practice, while the story of the crowds surrounding a meat-shop (*Mbh.*, III, 207, 10 f.), where the complacent owner boasts that he sells but does not himself kill, shows that vegetarianism was by no means universal.

Passing to a wider point of view we must pause to record the fact that certain allusions in the epic to fire-weapons have been adduced to prove that the Hindus used gunpowder in the great war. How baseless is this supposition has already been demonstrated by the present writer, and he can only repeat that all mention of fire-weapons in the Hindu epic refers to arms magically blazing such as arrows or wheels. No gun or cannon is mentioned and gunpowder is unknown[1].

The epic king is no autocrat; he is upbraided and reproved by his brothers and ministers. If born to the throne and yet defective he is not permitted to become king ('the gods do not approve of a defective king,' *Mbh.*, v, 149, 25); but if elected he is the leader at home and in the field. He is consecrated by baptism with water poured over him from a sacred horn, and is crowned 'lord of the earth' (*Mbh.*, XII, 40 and *Rām.*, II, 69). Although the didactic part of the epic emphasises the importance of councillors and ministers, without whose sanction the king should undertake no important business, yet actually each king is represented as doing what seems good to him without advice, as the various warriors of the family make raids and rape young women from foreign districts without consultation. Indeed, the priest supposed to be special adviser is scarcely mentioned in that capacity, only as an agent in spiritual matters. Resolving on war the kings and allies decide the matter as they will, in the presence of priests, indeed, but the priests are ignored (*Mbh.*, v, 1 and I, 102). The *sabhā* or assembly is here simply a military body for consultation. Both priests and people are silent in the face of force. The king's city was defended by battlemented towers and seven moats. It was laid out in squares and the well-watered streets were lighted with lamps (*Mbh.*, III, 284, 3; XV, 5, 16, etc.). Only four squares are mentioned in the Rāmāyaṇa (II, 48, 19), but

[1] See, in opposition to Oppert, *J.A.O.S.*, 1888, p. 296 f. Since the publication of this article Oppert has had published a correspondence with Mr Oscar Guttmann (*Mitteilungen zur Geschichte der Medizin und Naturwissenschaften*, No. 16, IV Band, No. 3, 1905), in which he upholds his contention, adopted without question by S. M. Mitra in his *Anglo-Indian Studies* (1913).

the Mahābhārata recommends six. The king's palace included or was near to the court of justice, the official gambling-hall, the music-room, the place for contests with wild beasts and for exhibits of wrestlers. Outside of the inner city were booths for traders, etc., and the less pretentious dwellings, with pleasure parks (*Mbh.*, IV, 22, etc.). Apparently four gates were the usual number, but nine are mentioned and even eleven in other literature, and the Rāmāyaṇa gives eight to Lankā (VI, 93).

For the common members of the military caste to die in bed was a disgrace (VI, 17, 11 and often). The mass of the soldiers fight for their chief and when he falls they are disorganised and run away. The knights, however, contending for glory as well as for their king, remain fighting though the mass desert them. Their motto is, 'Sweet it is to die in battle; the path to heaven lies in fighting' (*Mbh.*, VIII, 93, 55 f.). In peace the warrior, supported by the king, lived at ease and the nobles spent the time carousing and enjoying themselves. In war the warrior lived and fought for glory as well as for his chief. In the case of Karṇa, who was an independent king, revenge and desire for glory are blended; but most of the epic kings are in the war as allies of one side or the other and have no personal motive in fighting except to win renown. 'A hero lives as long as his fame reaches heaven' (*Mbh.*, III, 313, 20); 'Glory is preferable to life' (*ibid.* 31). And again, 'Only he who has glory wins heaven' (says Karṇa, *ibid.* III, 300, 31). The exhortation to fight valorously is based upon the precept that whether slaying or slain one is blessed, 'for he who is slain in battle obtains heaven, and if he slays he obtains fame' (*ibid.* XI, 2, 14). Every hero boasts of his great deeds performed and to be performed, even while deprecating boasting as a folly. The heroes boast of their families as well as of their prowess[1].

The religious and philosophical views of the epics represent every shade of opinion from Vedic theism to philosophical pantheism with later forms of Sun-worship (in both epics) and sectarian cults of Durgā, Çiva, and Kṛishṇa-Vishṇu in the Mahā-

[1] For examples of these and other traits shown by the epic warriors, see the specimens collected in the writer's monograph on *The Position of the Ruling Caste.* Interesting parallels may be drawn between the attitude of Homeric and Indic warriors in these respects, parallels which may now be complemented by those between Greek and Teutonic ideals, as shown in Chadwick's *Heroic Age* (pp. 325 f.). Prof. Chadwick compares the Anglo-Saxon *dom* with the Greek *κλέα ἀνδρῶν*, and the same may be said of the *kirti* and *yaças* of the Hindu, as the personal combat of king with king, which is the leading characteristic of Hindu epic fighting, may be compared with the style of fighting in Homeric and Teutonic poetry (*ibid.* p. 339).

bhārata, and Rāma-Vishṇuism superimposed upon the cult of Rāma as a hero demi-god in the Rāmāyaṇa. The religion assumed as orthodox in both epics is that which we call Brāhmanical. The Vedic gods with Brahmā at their head are to be worshipped, as a matter of course. In addition comes the constantly growing tendency to exalt the chieftain demi-god from his position as clan-hero god to a higher power, till he is identified with Vishṇu, the popular god of many clans. The cult of Vishṇu in this form comes under the hands of philosophers, who we may be sure had nothing to do with the original epic; and as god he is then interpreted according to the philosophical systems of the Sāṅkhya and Vedānta, which are united with the aid of the Yoga system. Of late years it has become usual for scholars to follow the lead of Professor Garbe, who has interpreted the chief philosophical tract of the Mahābhārata, the famous Bhagavadgītā, as a rewritten Sāṅkhya document of theistic tendency manipulated to serve the ends of Vedānta schoolmen. By excluding all the verses which teach the Vedānta doctrine, Garbe is naturally enabled to show a document which is not Vedantic; and it may be admitted that such a process makes a clearer and more attractive theological tract. But the historical effect produced is fallacious. Exactly the same mixture of Sāṅkhya and Vedānta permeates the teaching of the philosophical epic in many other passages; and unless one is willing to apply the same process and excise all objectionable matter in favour of a theory of Sāṅkhya priority in the philosophical disquisitions of *Çānti* or 'quietism,' one has no right to dissect the Bhagavadgītā into its supposititious prius and 'later additions.' The epic philosopher is never a Sāṅkhyan; he is a Sāṅkhya-Yogist, and it is this connecting link of the Yoga which to his mind makes it possible to unite two radically different systems[1]. It must at least remain quite doubtful whether the philosophical parts of the epic, most of which have no radical connexion with the poem, were not originally composed in their present form, representing an attempt, on the part of later redactors, to weave into the epic a system of philosophy inculcating the belief in a theistic pantheism derived from Sāṅkhyan principles improved by the Yoga and then combined with the

[1] For a review of these systems as given in the epic, see the writer's *Great Epic of India* (1901). That the Gītā was originally theistic throughout can be proved only by rejecting stanzas which are otherwise unassailable. Only four passages out of the twenty selected to prove the case in Garbe's *Bhagavadgītā* (1905) show any sign of interpolation, and of the four only one is a really striking case of breaking the connexion.

All-soul principle later called Vedânta. Vishṇu and Çiva both served the purpose of the philosophical interpretation. Both were popular gods who became the One God in turn (sectarian differences probably representing geographical distinctions), that One God who even in the Upanishads is also the All-god. For this reason many passages of the epic are on the philosophical-religious level of the Çvetâçvatara Upanishad.

Two notable attempts to extract historical material from the epic have been made in the last few years. They enlarge the vision of the fighting hosts on the plain of the Kurus both geographically and historically and demand careful examination. The first is the result of a study of the forces named in the epic itself as allies. As already mentioned, the fighting of the Râmâyaṇa consists in combats between fiends and monkeys, and unless the monkeys are interpreted as southern Hindus speaking an alien tongue, and for this and other reasons regarded as little better than apes by the Âryan leaders, there is no profit in endeavouring to guess at their real significance. In the Mahâbhârata, which deals with real people, it is different. The human hosts marshalled as friend or foe by the Pâṇḍus and Kurus may be set against each other geographically. There is a certain amount of fiend-fighting, and Nâgas of unknown habitat are mentioned as contestants. There are also some allies of unknown geographical provenance. But the chief factors in the great hosts can be distributed geographically. For making such a classification it will be convenient to use the Indian term Madhyadeça, the Middle Country, to denote 'the whole of the Ganges basin from the Punjab as far as the confines of Bihâr,' and to arrange the various peoples who are said to have taken part in the war in relation to this region. The Pâṇḍu forces included the king of Magadha associated with the Kâçis and Kosalas, the king of Pañchâla, the king of the Matsyas with mountaineers, the king of Chedi—all representing peoples in Madhyadeça—with some adherents from the north and south, but especially all the Yadus of the west. The Kurus, on the other hand, had as allies the king of Prâgjyotisha, the Chînas, and the Kirâtas in the north-east; the Kambojas, Yavanas, Çakas, Madras, Kaikeyas, Sindhus and Sauvîras in the north-west; the Bhojas in the west; the king of Dakshiṇâpatha in the south; the Andhras in the south-east; and the kings of Mâhishmatî and Avanti in Madhyadeça. Therefore, since the Yadus of Gujarât came from Mathurâ, the statement holds that 'the division of the contending parties may be broadly

said to be South Madhyadeça and Pañchāla against the rest of India[1].' That this is an important conclusion must be admitted. But if it follows that the war was one between southern Madhyadeça, united with Pañchāla, and the rest of India, how far may we assert that this represents earlier epic conditions before the nations of the Indian sub-continent were all brought into the frame of the epic? Obviously it would not be safe to make too much of a list based on factors of doubtful age, but it is perhaps safe to assert that the central plan, so to speak, is historical, namely the opposition of the less civilised Pāṇḍus and the old Pañchālas to the orthodox Kurus.

In the opinion of Sir George Grierson we may make a further induction and assert that the Brāhmanism of the Kurus represents a later tide of immigration as compared with the anti-Brāhmanism of the Pañchālas as earlier Āryan immigrants into India. In a way, the anti-Brāhmanical party may be said to represent the warrior-spirit as opposed to the priestly, which was defeated in the contest but revenged itself by manipulating the epic to its own glory[2]. It is, however, doubtful whether the Pañchālas were earlier immigrants or in early days were regarded as in any way anti-Brāhmanical. The further contention, that this unorthodox warrior-spirit produced the work of the Bhāgavatas and that the Bhagavadgītā emanates from an un-Brāhmanical source, is based upon the supposition that the Bhagavadgītā and its underlying system of Sāṅkhya philosophy is an exponent of the free eastern anti-Brāhmanical or un-Brāhmanical life which produced the great heresies of that region, Buddhism and Jainism. One wishes that the veiled history of Hindu thought might be traced back so clearly, but the data at our disposal do not justify us in so summary a method of reconstructing the past. There is no cogent evidence to show that a difference of religious belief had anything to do with the war, or that any racial antagonism lies behind the division of parties, certainly not of parties opposed as primarily Pañchālas and Kurus.

Whether the genealogical lists of the epic may impart trustworthy information is a second question of importance. It has

[1] F. E. Pargiter, *The Nations of India at the Battle between the Pāṇḍavas and Kauravas* (*J.R.A.S.*, 1908, p. 334), gives a complete analysis of the forces. The author admits that the ethnological value of the general statement made above is diminished by the fact that the nations on either side were not of the same stock; also it must be remembered that kings were not always of the same stock as the people they ruled and brought to war.

[2] *J.R.A.S.*, 1908, p. 606.

been answered affirmatively by Mr Pargiter in the second of his valuable papers on the epic[1], though with due conservatism in view of the contradictions in the epic itself. The later lists found in the Purāṇas may be combined with epic data to make a fairly consistent chronological table, but there remains much to be taken for granted. Although the names of kings are given, the length of their reigns must be assumed on some common basis. On the probability that the average length of a Hindu reign was fifteen years and on the assumption that unimportant kings have been omitted once in so often from some of the lists, Mr Pargiter, taking the more complete list of the Solar dynasty as his guide, finds that a period of fourteen hundred years intervened between the first king, 'son of Manu' (Ikshvāku) and the great war; that Rāma, the hero of the Rāmāyaṇa, lived in the fifth century before the great war of the Mahābhārata; Bharata in the eighth century, etc. The great war itself marks the beginning of the present age (Kali Yuga), 'about 1100 B.C.'[2]

[1] *Ancient Indian Genealogies and Chronology* (*J.R.A.S.*, 1910, p. 1).

[2] See more particularly the work of the same author, *The Purāṇa Text of the Dynasties of the Kali Age* (1913). For the evidence of the Purāṇas as to the date of the war between the Kurus and the Pāṇḍus *v. inf.*, pp. 306–7.

CHAPTER XII

THE GROWTH OF LAW AND LEGAL INSTITUTIONS

THE law-books, Dharma Çāstras, and especially trained experts in law, Dharma-pāṭhakas, are recognised in the didactic parts of the epic; and codes of law are assigned to various ancient worthies, among whom Manu generally, but not always, holds the chief place. The difference between the formal law-book, Çāstra, and the Sūtra, also concerned with Dharma, is due mainly to the gradual exclusion of irrelevant matter in the law-book. Whereas in the Sūtra the term *Dharma* embraces all domestic duties, religious and ethical, with slight attention paid to formal law, in the completed Çāstra law itself is the sole subject discussed. But this difference marks only the extremes, the primitive Dharma Sūtra and the law-book of the fifth century A.D. Between the two comes a number of works bearing the title of law-book but still retaining in large measure the characteristics of the Sūtra. Likewise the formal distinction between a prose Sūtra and a metrical law-book is bridged by a period when legal works were partly prose and partly verse. In the end, it was found more convenient to versify the rules as the Hindus versified all knowledge, and the metre chosen for this purpose was the later *çloka*, which ousted both prose and the older *trishṭubh* metre still used in early Sūtras and Çāstras. The name also is not absolutely fixed. The Sūtra is sometimes called Çāstra. Vishṇu's law-book, for example, is both Sūtra and Çāstra, as well as Smṛiti, a general term for traditional teaching.

As the Dharma Sūtras emanated from Vedic schools, so, though less surely, it may be said in general that the law-books at first represented certain schools of Brāhmanical teaching. The law-books of Vishṇu and of Yājñavalkya are thus exponents of Yajurveda schools; but in the end the popular works of this class lose all connexion with any one school and become universally authoritative. There are not many of the long list of later law-books which really deserve the name. As time went on, a

large number of works appeared, claiming as their authors sages of old, or divine beings, but they are all without historical value and usually are sectarian tracts inculcating special religious observances. Besides these pseudo-law-books may be mentioned the later legal works, Dharma Nibandhas, of the eleventh century and later, and the learned commentaries, like the Mitāksharā, which have become as authoritative as the text itself. But these later law-books do not come into our present purview. They belong to the age of the later Purāṇas and subsequent literature. The great law-books which we have to examine revert to the beginning of the Purāṇic age or before it. Whatever is of value in the later works is taken from the older, which are still authoritative.

By far the most important of these is the law-book of Manu or the Mānava Dharma Çāstra, a work closely connected with the law-book of Vishṇu, which has no less than 160 verses of Manu, and with the didactic chapters of the epic, which contain numerous verses found in the code. Moreover, the epic recognises Manu as a law-giver and refers to the Dharma Çāstra of Manu. The relationship between the two works is made doubtful for the reason that we do not know when the later parts of the epic embodying these allusions may have been composed. An analysis of all the passages in the epic referring to Manu shows that the law-book was probably unknown to the early epic but that it was not unknown to the later epic. This indicates at least that the fabulous age ascribed to the law-book by the Hindus and by early European scholars may be disregarded in favour of a much later date. On the other hand, the present tendency is to exaggerate the lateness of the law-book and bring it down even to the third or fourth century A.D. Professor Jolly thinks that the code and the epic belong to about the same time, not later than the second or third century[1]. The code in any case may not have been identical with the work known to-day as Manu's law-book, for all these metrical works have suffered, as has the epic, from unnumbered additions.

Nevertheless, from the contents of the extant law-book of Manu some noteworthy data may be extracted which seem to show that the work is earlier than any other Dharma Çāstra. There is not the slightest allusion to any sectarian cult; documents are not cited in the rules on evidence; widow-burning is

[1] Julius Jolly in *Recht und Sitte*, pp. 16 and 30. Burnell in his translation of Manu contended for a still later date; but this (1883) was before the relation of Manu to other law-books was understood.

not recommended; there is no recommendation of the cult of idols (service, etc.), though idols are known as objects of veneration; the position of the law-giver in regard to titles of law, evidence, ordeals, etc., is more primitive than that of any other author of a Dharma Çāstra and even than that of Vishṇu in the Dharma Sūtra. The law-book of Vishṇu belongs to the third century A.D., and that of Yājñavalkya to the fourth century, and the advance on Manu in order, method, and detail of legal matters of these law-writers is very great. Hence, as in the case of the epic, it is probable that the date now currently assumed is too late, and that the Mānava Code belongs rather to the time of our era or before it than later[1].

The law-book of Vishṇu, which because of its Sūtra form might be thought to be earlier than Manu, is so largely interpolated that in its present condition it must rank decidedly as secondary to that code. It appears to have been an expansion of a Sūtra belonging to the Kāṭhaka school of the Yajurveda enlarged in the hope of making it a general code favouring the cult of Vishṇu. It mentions books under the modern name *pustaka*, recognises the burning of widows, knows the names of the days of the week, evidently borrowing here from Greek sources, acknowledges the Hindu Trinity, recommends the Tīrthas or pilgrimages, which are decried by Manu, and in the matter of debts and legal procedure is later than that code. At the same time it contains much ancient material, especially in regard to legal penalties, the rights of kings, inheritance, etc. A large part of the work is not legal, but treats of sacrifice, impurity, sin and atonement, etc.[2]

The codes of Yājñavalkya and Nārada are probably to be referred to the fourth and fifth centuries, respectively. The former was a learned pundit, probably of Mithilā, whose work is so closely connected with that of Manu and at the same time is so clearly a condensation of this code, that it may be taken as certain that the author desired to better an original rather than make a new work. Yājñavalkya pays more attention to legal

[1] The contention of Mr Ketkar in his *History of Caste in India* (1909) that Manu is at least as late as the fall of the Andhras (third century A.D.), because they are mentioned as a low caste is not cogent, because the verse may well have been one inherited from a list of degraded tribes (castes) and preserved. The Andhras are regarded as barbarians in early Brāhman literature. Cf. *Aitareya Brāhmaṇa*, VII, 18.

[2] The connexion of the Mānava code with the earlier Mānava Sūtras is not so close as that of the Vishṇu code with the Kāṭhaka Sūtra, and it is even doubtful whether, as first thought probable, the Mānava Çāstra reverts to a sectarian Mānava school.

matters and improves on his model in his views regarding the rights of women, whom he permits to inherit equally with men. He elaborates the subjects of trade and ownership, and recognises written documents in evidence where Manu relies on ocular witnesses. He recommends the use of several new ordeals in testing truth, and shows a more conservative social feeling in objecting to the union of a Brāhman priest and a slave-woman.

Of Nārada, who belongs to the fifth century and seems to have been from Nepāl, it may be said that he is the first to give us a legal code unhampered by the mass of religious and moral teaching with which and out of which the earlier works on Dharma arose[1], a code which in its fine sub-divisions of the titles of law, as well as in its elaborate treatment otherwise of slaves, inheritance, witnesses, ordeals, etc., is the first in which law itself is the subject-matter. Nārada's evident posteriority to Manu and Yājñavalkya does not show that it was an independent work, rather that it was based on these prior works. In addition to these legal lights it is necessary to mention only Bṛihaspati, who, as he extols Manu as the first of law-givers, also proves himself to be a sort of commentator rather than an original writer. His work is in fact a brief for Manu, and proves that in his day (about 600 or 700 A.D.) Manu was recognised as the original and greatest law-giver. His citations from Manu also show that our text has not changed essentially since his day[2].

We have already seen that the four castes are regarded as the frame of social life, and that the young student, after spending several years with a priestly preceptor, the length of time depending partly on caste and partly on aptitude, marries and becomes a householder, with numerous religious duties to perform. Twelve years of study is regarded as the minimum, forty-eight years as enough even for the most studious priest. Megasthenes tells us that the Hindus studied for nearly this length of time, but it is clear that only priests practised such zeal. The epic warriors are supposed to have finished their education by their sixteenth year, and the fact that a few words of a hymn are admitted as substitution for this part of the education (consisting in memorising verses) shows that for practical purposes a smattering of Veda was deemed enough in the case of all except the priest. The early

[1] *Dharma* means 'law' only as law is an expression of right, duty, etc. It is based upon revelation and custom, the first perfunctorily, the second actually. Local usage is the basis of law and may overrule laws made without regard to custom.

[2] On Bṛihaspati, see Jolly, *Tagore Lectures*, and the introduction to the translation of Nārada and Bṛihaspati in *S.B.E.*, vol. xxxiii.

law-books devote no little space to the early youth and conduct in later life of the orthodox Āryan. Manu, for example, gives six of his twelve books to rules of life before he comes to discuss royal life and legal matters. Noteworthy is the early date at which a man retires from practical life. As the youth marries early, in the warrior caste as early as sixteen, though Manu recognises twenty-four or thirty as the usual (priestly?) age, it may happen that he becomes a grandfather before he is forty, by which time, to be sure, the Hindu is often grey. Now it is expressly said that when a man becomes grey and a grandfather he is to enter the third *āçrama* or stage of life and become a hermit, either accompanied with his wife or not, as he chooses. Severe asceticism marks this period of life (it is described in full by Manu, Book VI), and probably it was reserved generally for the priestly caste; some law-givers omit it. It is likely that instead of this stage many priests became mendicants. The act of renouncing the world is introduced by a sacrifice of worldly goods and other ceremonies prescribed by the Sūtras and law-books. But the latter, in distinction from the former, if indeed they devote much time to such matters at all, now turn to that part of Dharma or Right which is included under the head of Royalty and Vyavahāra. The latter term means law in the modern sense, business intercourse legally interpreted, legal procedure. There is no formal distinction between civil and criminal law till the term *vyavahāra* is divided by later writers into 'cases of property' and 'cases of hurt.' The first enumeration of legal titles is found in Manu and is as follows: (1) Recovery of debts; (2) Deposits and pledges; (3) Sale without ownership; (4) Partnership; (5) Resumption of gifts; (6) Non-payment of wages; (7) Breach of contract; (8) Annulling of sale and purchase; (9) Disputes between the owner and tender of cattle; (10) Disputes regarding boundaries; (11) Assault; (12) Defamation; (13) Theft; (14) Robbery (with violence); (15) Adultery; (16) Duties of man and wife; (17) Partition (inheritance); (18) Gambling (with dice) and betting (on cock-fights, etc.). In this category, criminal law is represented by the titles eleven to fifteen and eighteen, while the first nine and the sixteenth and seventeenth titles belong to civil law. There is also no distinction between laws affecting things and persons, and, to follow the indictment of Mill in his *History of India*, 'Non-payment of wages stands immediately before breach of contract, as a separate title, though it ought to be included under that head.' But the eighteen titles are remarkable as the first attempt to

separate different cases; to demand that Manu should have given us a perfect or even a perfectly clear list is unreasonable.

The titles and the arrangement of Manu are followed by later writers, though with sub-divisions. Thus Bṛihaspati (II, 8), after giving the eighteen titles says that they 'are divided owing to diversity of lawsuits'; and other writers give ten chief crimes (killing a woman, mixture of caste, adultery, robbery, causing illegitimate birth, abuse, insults, assault, procuring abortion) headed by disobedience of the king's commands. It is, too, only later writers who assert that a lawsuit cannot be instituted mutually between father and son, or man and wife, or master and servant (Nārada, I, 6). Although the titles begin with civil cases, there is no doubt that primitive procedure had to do with criminal cases before civil cases were known. Thus the earliest trials are for theft and perjury, and it is probable that theft was the first crime to be recognised legally. We have seen that even in the Sūtras the thief is brought before the king and punished by him, and theft is the chief crime mentioned in the Vedas (more particularly theft of cattle, or robbery). There are a thousand forms of theft, according to Bṛihaspati, who makes theft one of the kinds of 'violence,' of which there are four—homicide, theft, assault on another's wife, and injury (either abuse or assault). Thieves are of two sorts, open and concealed, 'and these are sub-divided a thousandfold, according to their skill, ability, and mode of cheating' (Bṛih., XXII, 2). Those who cheat at dice or cheat a corporation are to be punished as impostors. The punishment for breaking into a house to steal is impalement; highwaymen are hanged from a tree by the neck; kidnappers are burned in a fire of straw; one who steals a cow has his nose cut off; for stealing more than ten measures of grain the thief is executed; for less he is fined eleven times what he has stolen (*ibid.* 9 f.; Manu, VIII, 320). The proof of theft is possession of the stolen property, or a track leading to the house of the suspected man; but excessive expenditure, intercourse with sinners, and other 'signs' may make a man suspected; then he may have to clear himself by oath or ordeal.

Manu recognises only two ordeals. Later authors add several more and some admit the application of an ordeal to the plaintiff as well as to the defendant. The oath of a witness is virtually an ordeal, as the oath invokes divine power, which punishes the guilty. The oath is taken according to the caste of the witness. For example, a farmer swears by his cattle, etc. Or one may simply swear that a thing is so, and if his house burns up within a week it

is a divine conviction of perjury. Later authors also prescribe that in ordeals a writing be placed on the head of the suspected man containing the accusation and a prayer, so that the divine power may understand the matter. The two earliest ordeals are those of fire and water (Manu, VIII, 114 f.). As the Sūtras do not notice ordeals, except for a general recognition of them as 'divine' proofs on the part of the late Āpastamba, and as the later writers Yājñavalkya and Nārada describe five ordeals, adding the ploughshare, scales, and poison, it is reasonable to conclude that Manu stands in time, as in description, midway between the two sets of authors and is the first to describe ordeals already known and practised. This is the judgment of Bühler and of Jolly[1], but the implication that the mention of *daiva* in older literature makes probable the existence of all the forms of ordeal mentioned only in later literature is not safe. Fire and water were first used, then come the elaborate trials with balance, etc., till eventually there are nine formal ordeals[2].

The nine ordeals are as follows, arranged in the order chosen by Bṛihaspati (XIX, 4): the balance, fire, water, poison, sacred libation, grains of rice, hot gold-piece, ploughshare, and the ordeal by Dharma and Adharma. When Professor Jolly says that no one of these can be judged later than any other on the ground that the growth from two to five and then to nine ordeals does not necessarily imply that one named later did not exist before the two named first, he exaggerates the probabilities. Is it likely, for example, that the ordeal by Dharma and Adharma is as old as that by fire and water[3]?

The ordeal by ploughshare is especially for those suspected of stealing cattle; the piece of heated gold is reserved for cases involving a theft 'over four hundred'; that by poison, for one worth a thousand, etc. All such restrictions are late emendations and additions. In the fire-test one carries a hot iron ball, and if unburned is innocent. In the water-test, one plunges under water and to prove innocence must remain under as long as it takes for

[1] *S.B.E.*, vol. XXV, p. cii; and Jolly, *Recht und Sitte*, p. 145.

[2] Compare Stenzler, in the *Z.D.M.G.*, vol. IX, p. 661; E. Schlagintweit, *Die Gottesurtheile der Inder* (1866); and A. Kaegi, *Alter und Herkunft des german. Gottesurtheils* (1887).

[3] The ordeal by Dharma and Adharma consists in painting pictures of Justice or Right and Injustice or Wrong (abstract divinities) upon two leaves, one picture being white, the other black. The two images are then worshipped and invoked with sacred verses, and, after the leaves have been sprinkled with perfumes and the five products of the sacred cow, they are rolled in balls of earth and set in a jar without the accused observing them, who then extracts one and 'if he draws Dharma he is acquitted.'

a dart, shot at the moment of diving, to be brought back. These two are alterations of old material, in which the accused walks through fire, as in epic tests, or is thrown into water to see if he drown. The balance is an easy ordeal and hence is used in the case of priests and women. It consists in seeing whether the accused weigh less or more the second time the test is made; if heavier, one is guilty. Probably the weight of sin weighs one down. So in the Mahābhārata, when a truth-telling man lies, his chariot begins to sink.

Another method of exacting justice, used generally in the case of debt, was called 'the custom' (Manu, VIII, 49) and consisted in what is now known as *dharṇa*. The guilty man (debtor) is besieged in his own house by his opponent, who fasts on him till the guilty one yields or the accuser dies. This method of punishing an injurer is well known in the epics, where fasting to death against a person is an approved form of retaliation. The one who has committed the offence (or owes the money) usually yields in order to prevent the ghost of the dying creditor from injuring him.

The punishment for murder, as already noticed (*v. sup.* p. 242), is at first a compensation paid to the relatives or the king (perhaps both) and later paid to the priests. The compensation is reckoned at a hundred cows (with a bull). This is in the case of a man; in the case of a woman, the punishment is no more than if a slave is killed. Manu treats the compensation as a penance (paid to a priest) instead of a 'royal right,' as in the earlier Sūtra period. The custom of appraising death at so much a head for which compensation is exacted existed into modern times and is mentioned by Tod in his *Annals of Rajasthan*[1].

Treason of all kinds is punishable by death, whether it consist in attacking the king or falsifying an edict or bribing the ministers of the king or helping his foes (Manu, IX, 232, etc.). Instead of other penalties, the guilty man, especially a priest, may be outcasted, that is, formally thrown out or banned from society, for in losing his caste he loses all social rights; though in certain cases through established ceremonies he may be taken back. One who is outcast loses all right to primogeniture, inheritance, etc.[2]

[1] See also Roth, *Z.D.M.G.*, vol. XLI, pp. 672 f.; and other references in Jolly, *Recht und Sitte*, p. 132.

[2] Primogeniture is not absolutely the cause of preference among heirs. An unworthy son may be passed over even if he be the eldest, in favour of a worthier junior. On banishment in lieu of capital punishment, see Manu, VIII, 380.

Except for treason, all crimes are judged relatively, that is, there is no absolute penalty, but one conditioned by the social order of the criminal or the victim of the crime. Thus in cases of defamation, if a warrior defame a priest, he is fined one hundred *paṇas*; if a man of the people-caste do so, one hundred and fifty; if a slave, he shall be corporally punished; but if a priest defame a warrior, fifty; if he defame a man of the people, twenty-five; if he defame a slave, twelve, and this last fine is that imposed upon equals defaming equals within the Āryan castes. But if a slave insult a 'regenerate' (Āryan), his tongue is to be cut out. Especially is this the case in relations between the sexes, for though the rule of death for adultery is general (the woman is devoured by dogs in a public place and the man is burned alive, Manu, VIII, 371 f.), yet its antique provisions are really preserved only out of respect for tradition, the real law being that the offending man shall be fined and the woman have her hair cut off and be treated with contempt (Nārada, XII, 92), unless the crime be one that outrages caste-sentiment. Thus a slave who has intercourse with a guarded high-caste woman may be slain; a Vaiçya shall lose his property; a warrior be fined a thousand and be shaved with urine (Manu, VIII, 384 f.). The old general rule of the Sūtras to the effect that the woman be eaten by dogs and the man killed is preserved under the form, explicit in the later works but already implied by Manu, that this be the punishment if 'a wife who is proud of the greatness of her family' (that is a woman of high caste) commit adultery, while Nārada restricts the ferocious penalty to the impossible case of a priest's wife deliberately going to a low-caste man and seducing him.

The general *lex talionis* is similarly confined to thieves or robbers (Manu, VIII, 334), though another restriction limits it to intercourse between low and high caste (if a man of low caste injure a man of high caste the limb corresponding to the one hurt shall be cut off, *ibid.* 279). In one particular, however, the rule of increased fines is reversed, for in any case where a common man would be fined one penny (*kārshāpaṇa*) the king is fined a thousand (Manu, VIII, 336), probably on the principle (Manu, VIII, 338) that he who knows more should suffer more[1].

[1] The slave of the rules cited above is a Çūdra-slave. The law defines slaves as of seven kinds, war-captives, daily workers for food, slaves born in the house, men bought, given, inherited, and those enslaved for punishment. Slaves of war are known in the epic (*v. sup.* p. 270) and there is no reason for supposing that a captive warrior may not be a slave (the commentator confines the captive to the Çūdra caste). According to practice, the warrior-caste slave is in bondage only for a year. The 'slave by punishment' means

In the province of civil law the later law-books show the greatest advance over the earlier. For example, where trade is concerned, the Sūtras know nothing of legal business partnership, apart from the united family and its obligation as a whole to pay debts. Manu has the idea of a partnership, but his whole discussion of the title concerns only the amount of fees payable to priests who together perform a ceremony; and he merely raises the question whether all the religious partners or the one who performs a special act shall take the traditional fee for that one part. He decides that the four chief priests out of the sixteen shall get a moiety, the next four half of that, the next set a third share, and the next a quarter (the commentators are not unanimous in appraising the amounts), and adds 'by the same principle the allotment of shares must be made among men on earth who perform work conjointly' (Manu, VIII, 211). In other words, except for stating that one should be paid in accordance with the work one does, Manu has nothing to say regarding 'partnership,' the formal fourth title of the list. Yājñavalkya on the other hand includes agriculture and trades in his rule (II, 265). Nārada, while retaining the matter concerning priestly partnership, expresses the axiom above in this way: 'Loss, expense, profit of each partner are equal to, more than, or less than those of other partners according as his share (invested) is equal, greater, or less. Storage, food, charges, (tolls), loss, freightage, expense of keeping, must be paid by each partner in accordance with the terms of agreement,' etc. (III, 3 f.). Finally Bṛihaspati begins his title 'Partnership' thus: 'Trade or other occupations should not be carried on by prudent men jointly with incompetent or lazy persons or with such as are afflicted with illness, ill-fated, or destitute. Whatever property one partner may give, authorised by many, or whatever contract he may cause to be executed, all that is (legally) done by them all. Whatever loss has occurred through Fate or the king shall be borne by all in proportion to their shares. When artists practise their art jointly, they share according to their work. If a number of men in partnership build a house or a temple, or dig a pool, or make leather articles, the headman among the workmen gets a double share. So too among musicians: the singers share and share alike, but he who beats

a debtor unable to pay. It may be observed that prisons are for malefactors and traitors rather than for debtors. Manu speaks of prisons situated by the roadway where all who pass may see the punishments suffered by the wretches within, and the tortures of hell have the appearance of being copied from models nearer home (Manu, VIII, 288).

time gets a half share over.' And (still under the head of Partnership), 'when freebooters return from a hostile country bringing booty, they share in what they bring after giving a sixth to the king, their captain getting four shares, the bravest getting three, one particularly clever getting two, and the remaining associates sharing alike' (Bṛihaspati, XIV, 32).

Regarding the use of money, an old Sūtra rule confirmed by Manu permits interest at fifteen per cent. annually, but for men (debtors) of low caste the interest may be sixty per cent.; yet this is where there is no security. The amount differs in any event according to caste, as already explained (p. 248). No stipulation beyond five per cent. *per mensem* is legal. Debts unpaid shall be worked out by labour by men of low caste. These rules obtain from the Sūtra age and vary scarcely at all. Megasthenes erroneously reports that the Indians do not take interest (*οὔτε δανείζουσι οὔτε ἴσασι δανείζεσθαι*, Fr. 27). Possibly he has in mind the provision that no Brāhman shall be a usurer. Wages are often paid in kind; one fifth of the crop or of the increase in flocks goes to the man who cares for the work. The tender of cattle, in contrast to the epic rule (*v. sup.* p. 269 f.), gets the milk of one cow out of ten (Manu, VIII, 231). If a man work without food or clothing given to him he may take a third of the produce; otherwise a fifth (Bṛihaspati, XVI, 13). But Nārada gives a general rule to the effect that the servant of a trader, a herdsman, and an agricultural servant shall respectively take a tenth part of the profit, whether from the sale of merchandise, the increase of flocks, or the grain-crop (Nārada, VI, 3). This is also the provision of Yājñavalkya (II, 194)[1]. The agricultural servant is a Çūdra slave or a member of a mixed caste[2].

The family represented in the law-books as the usual family is one where all the brothers live together as heirs of the father, who may or may not, as he or they prefer, divide his property during his life-time. The eldest son has certain rights of primogeniture, but, as said above (p. 284, *note*), they may be taken from him in case he is unworthy (Manu, IX, 213). The property of a childless wife belongs to her husband, unless she is married by a rite not countenanced by the law; in that case her property

[1] This is expressly the wage ordained by the king in case there has been no especial stipulation between master and man. It represents therefore the normal percentage of gain ($\frac{1}{10}$) as wage for the hired assistant of a petty merchant, herdsman, or farmer.

[2] According to the commentator on Vishnu, LVII, 16, where the practice of renting land for half the crop is referred to, the herdsman is usually the son of a warrior by a slave-girl. These 'mixed castes' really did most of the general work of a village.

reverts to her parents. Woman's property consists only in wedding-gifts, tokens of affection, and gifts from her brothers, father, and mother, as also what is given her after marriage by her husband. All this goes to her children at her death.

As the preferred family is the joint-family, so the village is possessed as a whole of its holdings in land. Thus the only full discussion in Manu regarding boundaries (the tenth title) has to do with boundaries between two villages. Yet it is clear from other passages that private ownership in land under the king was recognised. He who first cultivates wild land, owns it (Manu, IX, 44). There is also a Sūtra rule: 'Animals, land, and females are not lost by possession of another' (Gaut., XII, 39), which appears to imply individual ownership in land. The land around a village on all sides for one hundred 'bows' (about 600 feet) is common; and if crops are grown there and cattle injure the crops, no damage can be exacted (Manu, VIII, 237 f.); but the fields appear to be private property as they are fenced in[1].

The government of the country described in legal literature is not different from that of the Sūtras, and in most respects agrees with the conditions represented in the epics, where government without a king is so well known as to be the object of the most severe condemnation; and it is regarded as essential that a king of good family should be at the head of the state. Slave-born kings are known in history but tabooed in law. The king is treated in the law-books under two heads, as general lord of the land and as judge and executioner.

As lord of the land the king is a Zeus Agamemnon, a human divinity incorporating the essence of the deities Indra, Vāyu, Yama, Varuṇa, Agni, etc., that is of the gods who protect the world in the eight directions. In other words, his chief function as lord is to protect, and he protects as 'a great deity in human form' (Manu, VII, 8). He has, to aid him, seven or eight councillors of hereditary office ('whose ancestors have been servants of kings'), with whom he daily consults as to affairs of state and religion. His prime minister should be a learned priest; he should appoint officials over all public works, mines, manufactures, storehouses, etc. Various royal monopolies are mentioned (salt is one of them). His officers must be brave and honest, and he himself must be brave and lead his troops personally into battle, where he is to

[1] This is not certain evidence that they were private possessions, but such appears to have been the case, as the rules regarding flowing water, 'seed cast in another's field,' etc. also presuppose private ownership (Manu, IX, 52 f.). To 'let land' renders one impure (Āp., *Dh. S.*, I, 18, 20).

make it his duty to 'kill kings,' for those kings go to heaven who seek to slay each other in battle and fight strenuously for that purpose (Manu, VII, 89). As overlord, the king receives a share of the booty won in battle, and it is his duty to distribute such booty as has not been taken singly among the soldiers. One military officer and a company of soldiers he should place as a guard over each village and town, to protect them. There should be a lord of one village, a lord of ten, (of twenty), of a hundred, and a lord (or lords) of a thousand. It is the duty of the lord of one village, *grāmika*, to report all crimes to the *daçapa* or lord of ten, and the lord of ten shall report likewise to the (lord of twenty, and he to the) lord of a hundred, and he to the lord of a thousand. As much land as suffices for one family shall be the income of the lord of one village and so on to the lord of a thousand, who shall enjoy the revenue of a town. All these men (it is said) are probably knaves and must be spied upon continually through the agency of a general superintendent in every town, who shall scrutinise the conduct of all the governing lords, 'for the servants of kings appointed to protect generally become rascals who steal the property of others' (*ibid.* 123). The sum collected from his subjects by a just king (as taxes) is a fiftieth part of the increment on cattle and gold, and the eighth, sixth, or twelfth part of the crops; while common artisans pay tax by a day's work monthly.

These provisions (of Manu) are followed by Vishṇu, who however omits the intermediate lords of twenty villages and recognises only the decimal system throughout[1]. Instead of a thousand villages, Vishṇu speaks of the 'whole country,' and probably the two expressions were synonymous. Vishṇu also specifies eunuchs as guards of the king's harem, not mentioned by Manu in connexion with the palace. Another point which brings Vishṇu into line with the Sūtra authorities (Baudh., I, 10, 18, 1; Vas., I, 42) is found in his rule regarding taxes. He gives no such option as Manu, but specifies one-sixth as the tax on grain and seeds and one-fiftieth on cattle, gold, and clothes (all authorities exempt priests from taxation-laws).

The men of war, according to Manu, are to be selected for prominent places (in the van) from Kurukshetra, the Matsyas, Pañchālas, and those born in Çūrasena—all districts in the neighbourhood of Delhi, Jaipur, Kanauj, and Muttra—a provision sufficiently indicative of the geographical origin of his code. It is

[1] The army divisions are also arranged decimally, in squads of ten and companies of one hundred or of other multiples of ten (Vas., XIX, 17 f.).

interesting to note that both Manu and Vishṇu state that when a king has conquered a foreign foe he shall make a prince of that country (not of his own) the king there, and (Vishṇu adds, III, 49) he shall not destroy the royal race of his foe unless that royal race be of ignoble birth. He is to honour the gods and the customs of the conquered country and grant exemption from taxation (for a time) (Manu, VII, 201).

In his capacity as judge the king tries cases himself or appoints a priest in his stead (Vishṇu, III, 73); but this latter provision is a later trait, though found in the Sūtras. The earlier rule is that the king himself shall try cases daily and have built for that purpose a special hall as part of his palace in the inner city, and even, as we saw in the Sūtra period (*v. sup.* p. 241), act as executioner. The fact that the king has also the pardoning power is implied in the provision that if the thief come before the king and the king smite him or let him go he is thereby purified[1], a provision which also brings up the intricate question of the relation between legal punishment and religious penance. For many of the legal punishments for gross crimes are set down not as such but as religious expiations, and it is said that the king has to see to it that these religious obligations are fulfilled. In some cases without doubt punishment as a matter of law began as a matter of priestly religious law. The business of the king as judge was not unremunerative, as every debtor who was tried and convicted paid a tenth of the sum involved into the royal treasury (Vishṇu, VI, 20). According to Manu (VIII, 59), if plaintiff or defendant is found guilty of falsification in regard to a contested sum, twice the sum itself shall be paid as a fine (to the king). The king's chaplain has an important place in the court of justice; he is chief of the councillors who as a body may include members of other Āryan castes. If a deputy act for the king, later authorities state that he should carry a seal-ring of the king as sign of authority (Bṛihaspati, I, 3). The right of appeal is also admitted in later law-books, which assume that a case may come up first before a family, or corporation, when if the judgment is questioned the case may be tried by assemblies (of co-inhabitants or castes) and then by judges duly appointed (*ibid.* 39). Yājñavalkya (II, 305) and Nārada also (I, 65) say that, when a lawsuit has been wrongly decided, the trial must be repeated. According to

[1] Apparently a murderer might expiate his crime by dying for the king in battle (Āpastamba, I, 24, 21), and even, 'if he fights three times, when not slain, he is freed' (Vas., *Dh. Ç.*, XX, 28). This antique provision is not preserved in the later law.

Yājñavalkya appeal may be taken from corporations, etc., to 'the judge appointed by the king' (II, 30). Such a judge is one appointed to act for the king in his own city or in the provinces, a provision found also in epic literature. All the law-books acknowledge the importance of the law of family (*kula*), gild or corporation (*çreṇi*), and assembly or greater corporation (*pūga*, *gaṇa*), of caste or co-inhabitants in making their own laws, which the king must not contravene.

There is one aspect of legal literature which is very significant of the origin of the completed codes. The laws, namely, frequently contradict one another either by implication or directly, not only the laws in general but those of the same code and even the laws placed in juxtaposition. An example of such contradiction is what may be found in Manu's code respecting the sale of a daughter. In VIII, 204, 'Manu declares' that if one girl has been shown to a prospective bridegroom and another is given, he may marry them both for the same price. In III, 51, the same code (presumably the same Manu) says 'Let no wise father take even a small price for his daughter...for small or great this would be a sale'; and finally in IX, 97, we read: 'If the giver of the price die after the price for a girl has been paid, she shall be given to the (bride-groom's) brother if she is willing,' and immediately after (IX. 98), 'Even a slave should not accept a price in exchange for his daughter,' with a couple of verses following in the tone of the passage above, repudiating the 'sale of a daughter.' Yet in VIII, 366, under the head of the fifteenth title of law, it is stated that a low-caste man courting a woman of the highest caste deserves death (or corporal punishment); but one who courts an equal shall 'pay the price' (and take her) if her father consents. It was an old provision that a fee or price (a yoke of oxen) should be paid to the father, and though this was softened down to a 'fee' or 'tax' (*çulka*), yet the advanced code objects formally to this business transaction. At the same time the old provision is retained, because it was a part of hereditary traditional law. In the epic also, the rule against selling a daughter is recorded; but so strong is the feeling against violating family-law that the man who purposes to sell his daughter, 'because it is the custom in my family,' is upheld in doing so by a saint, who even declares that the sale is justified by the ancients and by God (*Mbh.*, I, 113, 9 f.). Here the girl is bought with gold and elephants and other costly things. On the other hand, as a matter of dignity, the father of an aristocratic girl, more particularly a princess, has in effect heavy

expenses. Thus when king Virāṭa weds his daughter he bestows upon his son-in-law seven thousand horses and two hundred elephants (*Mbh.*, IV, 72, 36). The didactic epic says that a man who sells his daughter goes to hell (XIII, 45, 18); there is a general Sūtra rule against selling any human being (Gaut., VII, 14)[1].

In regard to infant marriages the Sūtras generally admit the advisability of marrying a girl when she is still too young to wear clothes, that is, before she becomes adult, or shows signs of maturity. The later law and practice are all at variance on this point. One of the epic heroes marries at sixteen a princess still playing with her dolls but old enough to become a mother shortly afterwards. The epic rule is that a bridegroom of thirty should marry a girl of ten, a bridegroom of twenty-one a girl of seven (XIII, 44, 14). Arrian (23, 9) reports that Indian girls were married at seven. Sītā is said to have married Rāma at six! The rule of Manu is that a bridegroom of thirty shall marry a girl of twelve, one of twenty-four, a girl of eight (IX, 94); he also recommends that a girl shall not marry at all unless a suitable bridegroom appear; but again he countenances infant-marriages (IX, 88 and 89).

The rule in regard to the levirate, or the assignment of widows to another man to raise up sons for the deceased husband, is another instance of the way in which the codes were assembled out of contradictory material. In Manu, IX, 64–68, there is a flat contradiction of the preceding provisions on this point. No remarriage and no assignment of widows are permitted in a passage directly following the injunction that a widow shall be so assigned, for the purpose of giving her dead husband a son to pay him the funeral feast, etc.

These laws regarding women are on the whole the most self-contradictory in the later codes. As the position of woman is more or less indicative of the state of civilisation, it is important to notice that the high regard paid to woman is confined to her function as a mother of sons. The bride must be a virgin (not a widow, Manu, IX, 65) and the remarriage of widows is generally not countenanced; but the codes do not sanction the custom of suttee till late, and the provisions for widows show that, though they probably lived miserably and without honour, they were not expected to die with their husbands. The Mahābhārata and the

[1] The purchase of a wife is the 'demoniac' form of marriage formally permitted in the case of a Vaiçya and slave (Manu, III, 24). These two classes 'are not particular about wives' (Baudh., *Dh. S.*, I, 11, 20, 14).

Rāmāyaṇa both recognise the custom of suttee, but only the former (and probably not in an early part) gives a case of a royal widow burning herself with her husband. It is perhaps the extension of a royal custom, as in the epic, which has made the rule general, so that later law and practice recommend suttee for all. A parallel would be the Self-choice (*svayaṃvara*) or election of a husband by a princess, afterwards regarded as an election-rule in the case of other maidens. The mother is praised as equal to the father in honour, and in default of sons she may inherit (Manu, IX, 217), but if she bear only daughters or has no children she may be divorced (*ibid.* 81)[1]. In general, a woman receives respect only as potential or actual mother of sons. Manu repeats with unction the dictum of the Sūtras that a woman is never independent (IX, 2 f.), and says that she may be slain for unfaithfulness and divorced for barrenness; he also regards women as too 'unstable' to be called as witnesses (VIII, 77). The view that women are chattel is yielding in the Çāstra to a more enlightened opinion. In the epics also the rigidity of the law is not upheld by the tenor of tales showing women in a very different light from that exhibited in the didactic parts of the epic. Even at a much later age women were students, as they were wise in antiquity, and the annals of the law itself testify to the ability of the sex, for in the eighteenth century one of the great legal commentaries on the Mitākshară was written by a woman, Lakshmīdevī. At what time the Purdah ('curtain') rule came to confine women to the house is uncertain; but probably not before foreign invasions had compelled the Hindu to adopt it. The epics and law-books speak of confining a woman as a punishment for ill-conduct (e.g. Manu, VIII, 365), but Manu insists that 'no man can really guard women by force' (IX, 10). To go veiled is only a court-custom alluded to in both epics.

Deficient as are the legal text-books in arrangement and self-contradictory as are their enactments, they form a priceless heritage of a past which would otherwise have been largely lost to us, for they may be accepted as reflecting real and not artificial or invented conditions of life. Very material evidence has been furnished in the last few years as regards the trustworthy character of the information given by authors of the law-books. As remarked above concerning the Sūtras (*v. sup.* p. 221), the idea that Brāhman

[1] The property of women forms too complicated a subject to be discussed here but it may be said in general that Manu represents an advance on the older denial of the Sūtras that women, and in particular widows, could inherit. Baudhāyana and Āpastamba exclude widows from the husband's inheritance (e.g. Āpast., II, 14).

tradition is manufactured in order to glorify the Brāhmans and that in the time of Buddha there were no castes, is rendered inadmissible by the fact that all Hindu literature acknowledges the main facts as stated in the epics and law-books. The fresh evidence on this point is supplied by the text of the Arthaçāstra called the Kauṭilīya, which may date from about 300 B.C. and is in accord with the Sūtras and Çāstras in all the chief points which these works have in common. This Arthaçāstra, which forms the subject of Chapter XIX in this work, recognises castes and mixed castes and agrees with the Çāstra of the law-givers in a multitude of instances, showing that the scheme of law arranged by the Brāhmans was neither ideal nor invented but based upon actual life[1]. Here for example is repeated almost verbatim the rule against debts between father and son; the kinds of marriage are the same; the antithesis between Ārya and Çūdra is maintained; the rule that the wage is one-tenth the gain 'without previous agreement' is identical with that of Yājñavalkya cited above, etc. As the Kauṭilīya is a manual of rules imposed by a practical statesman, it is impossible to suppose that the conditions it depicts are imaginary, yet the same conditions are found in the Sūtras, etc. If it was indisputable that this work belonged to the third or fourth century B.C., it would be of the utmost importance historically. As it is, some of the provisions of the Kauṭilīya agree with those of later rather than earlier law-books, and for the present it is not advisable to accept all its rules as belonging to the time assigned to the work as a whole[2].

We see in the law-books the king of a limited realm still more or less of a patriarch among his people[3]; a people divided into general orders representing the military, priestly, and agricultural or mercantile classes, still mingling freely with each other, intermarrying, but with due regard for the respect paid to the higher orders, and utterly devoid of the 'caste' rules later adopted in respect of food and marriage. The family is usually monogamous though it may be polygamous, and there are traces of the family-marriage, in which a wife marries a group of brothers. The menial work of house-life is carried on by slaves and half-breeds, who also

[1] Cf. the articles of Prof. Jacobi in *Sitz. K.P.A.*, 1911, pp. 732, 954 f.; 1912, pp. 832 f.; also the parallels published by Prof Jolly in *Z.D.M.G.*, LXVII, pp. 49 f.

[2] A sketch of law and government as presented by the Kautilīya Arthaçāstra is given by Dr Barnett in his *Antiquities of India*, pp. 98 f. (1914); also by Mr M. N. Law in his *Studies in Ancient Hindu Polity* (1914).

[3] Thus the king has personally to go to market and 'settle the price of goods' every five days (Manu, VIII, 402).

do most of the village labour and serve as petty craftsmen. More skilled workers like chariot-makers are of almost Āryan rank and are not excluded from society. The laws are harsh and cruel as regards punishment (the worker in gold who defrauds the king, for example, is, according to Manu, IX, 292, 'to be chopped to pieces with knives'), but a regard for truth and justice is the dominant trait of the law, which, if it may be personified, has at times a naïve air of blandly but perplexedly seeking to steer a course between that which it thinks is right and ought to think is right, because the one has been reasoned out and the other has been handed down as part of 'revelation' or law divine[1].

[1] In his *Lectures on the Ancient History of India* (Calcutta, 1919), Prof. D. R. Bhandarkar argues that the legal parts of the twelfth book of the epic revert to a period earlier than Kauṭilya; and that the 'beginnings of Indian thought in the sphere of Arthaçāstra' are to be assigned to the seventh century B.C. The first thesis is based on the theory that verse precedes prose in legal diction, which is certainly not demonstrable. The second is only another way of saying that the subject-matter of the Dharma Sūtras is probably older than their present form, and that Kautilya had numerous predecessors, which is probable. The chief discrepancy between Manu and Kautilya is that the former represents a state conceived as a smaller kingdom, the latter's purview is not only more exhaustive but wider, e.g. he discusses the 'Arabian steeds' in the king's stud (known to both epics) and cites as authorities later writers. On the whole, as with the Jātakas, it would be well not to accept as undoubtedly of 'c. 400 B.C.' all the data of the Kauṭilīya Arthaçāstra.

CHAPTER XIII

THE PURĀṆAS

The Purāṇas, or collections of 'old-world' legends, contain the traditional genealogies of the principal ruling houses of the Middle Country. They are closely connected both in form and substance with the epics and law-books. All three varieties of literature are written in the same kind of verse and in the same kind of Sanskrit; and they have much of their subject-matter in common. Not isolated verses merely but long passages recur word for word in them all. They are all alike inheritors of the same stock of legendary and traditional lore; and, so far as the nature of their contents is concerned, it is not always possible to draw any hard and fast line of distinction between them. Thus from different points of view the Mahābhārata may be regarded, as indeed it regards itself, as an epic, a law-book, or a Purāṇa.

Any old-world story may in fact be called a Purāṇa; but the term is specially applied to certain works which, in conformity with the classical definition, deal, or are supposed to deal, with the following five topics: (1) *Sarga*, the evolution of the universe from its material cause; (2) *Pratisarga*, the re-creation of the universe from the constituent elements into which it is merged at the close of each aeon (*kalpa*) or day in the life of the Creator, Brahmā; (3) *Vaṃça*, the genealogies of gods and rishis; (4) *Manvantara*, the groups of 'great ages' (*mahāyuga*) included in an aeon, in each of which mankind is supposed to be produced anew from a first father, Manu; (5) *Vaṃçānucharita*, the history of the royal families who rule over the earth during the four 'ages' (*yuga*) which make up one 'great age.'

With this ideal scheme none of the existing Purāṇas is in complete agreement. All differ from it in various degrees by defect or by excess; but, in spite of this, they profess generally to conform with the old definition, and are thus made to give a description of themselves which is no longer in accordance with the facts. It is evident, then, at the outset that their original form has been modified. Only seven out of the eighteen still retain the fifth

section, which should contain an account of kings who have reign during the historical period. For the purposes of political hist all the rest are therefore without value.

Orthodox Hinduism regards these works as of divine orig and their framework is stereotyped in accordance with this vi The chief speaker is some ancient seer who has received the tra tion through Vyāsa, who himself received it from the Creator. T narrative is introduced by a dialogue between the chief speaker a his audience, and is continued in the form of a series of report dialogues between the characters of the stories told.

Most commonly, though not invariably, the narrator is Lor harshaṇa or his son, Ugraçravas. The former is called 'the Sū and the latter 'Sauti' or 'the Sūta's son'—titles which clea indicate that the traditional lore, out of which the Purāṇas h been fashioned, was of Kshatriya, not of Brāhman, origin; the Sūtas, its custodians, were a mixed caste who were entrust with various important functions in royal households. In t Brāhmaṇas the Sūta is the royal herald and minstrel, and possi also 'master of the horse.' He is one of the king's 'jewe (*ratnin*) and ranks with the commander-in-chief of the army a other high officers of state; and in his character as herald was inviolable. In the law-books he is described as the son a Kshatriya by the daughter of a Brāhman. The Purāṇas s that he was born to sing the praises of princes and that he v entrusted with the care of the historical and legendary traditio but they state definitely that he had no concern with the Ve (*Vāyu Pur.*, I, 1, 26–28). In later times he appears as the kin charioteer; but he still retains his exalted rank, and in the dran he speaks Sanskrit—the sign of high birth or education—while t inferior characters speak some Prākrit dialect.

In the interval between the Brāhmaṇas and the dramas t Sūta had evidently been deprived of some of the most importa of his ancient functions; and this change in his fortunes refle a change which had taken place in Indian society and in t character of the Purāṇas. In the heroic age, when the Sūta v the chronicler of kings, the Kshatriyas, as we gather from t Upanishads and from early Jain and Buddhist literature, occup a position of considerable intellectual independence. But t position was not maintained. In India, as in medieval Euro the priestly power eventually asserted its supremacy, and all t old Kshatriya literature was Brāhmanised. The record of t lineage of princes tended to disappear from the Purāṇas, and

place was taken by endless legends about holy places, or hymns in praise of the divinities who were worshipped there. The Purāṇas had passed from the Kshatriyas to the Brāhmans, from the royal bards to the priests who waited on temples and pilgrims' shrines—a class mentioned with contempt in the law-books (Manu, III, 152). But, in spite of this transference and the radical changes which it involved, some of the old terms and some fragments of the old literature still remained to testify to a state of things which had passed away.

Thus the Purāṇas, like the Mahābhārata, have undergone a complete transformation. Just as the Mahābhārata, originally the story of a war, has been made into a Dharma Çāstra, the main object of which is to inculcate duty, so too the Purāṇas are no longer mere collections of ancient legends. Like the 'Lives of the Saints' they have been applied to purposes of edification. For them the kings of the earth have existed simply to point a moral—the vanity of human wishes:

> He who has heard of the races of the Sun and Moon, of Ikshvāku, Jahnu, Mandhātṛi, Sagara, and Raghu, who have all perished; of Yayāti, Nahusha, and their posterity, who are no more; of kings of great might, resistless valour, and unbounded wealth, who have been overcome by still more powerful Time, and are now only a tale he will learn wisdom, and forbear to call either children, or wife, or house, or lands, or wealth, his own. (*Vishṇu Pur.*, trans. Wilson, IV, p. 240.)

The chief object of the Purāṇas is to glorify Çiva or Vishṇu, the great divinities who, in their manifold forms, share the allegiance of India. They have become sectarian and propagandist, exalting their own particular deity at the expense of all others. In a word, they have become the scriptures of various forms of the later Hinduism, and bear to these the same relation that the Vedas and Brāhmaṇas bore to the older Brāhmanism. But while the scriptures of the ancient sacrificial religion have remained unaltered and have been protected from textual corruption by the elaborate devices of priestly schools, the Purāṇas have adapted themselves to the changes which have taken place in the social and religious life of the people, and their text has been perverted by generations of editors and transcribers.

They are made up of elements old and new. However late they may appear in their present form—and some of them are said to have been altered in quite recent times—there can be no question that their main source is to be traced back to a remote antiquity. The ancient lore of the bards from which, like the epics, they are derived is known to the Atharvaveda (XV, 6, 11 f.)

as a class of literature with the general title *Itihāsa-Purāṇa* 'story and legend'; and both in the Upanishads (*Chhāndogya*, VII, 1 and 7) and in early Buddhist books (*Sutta Nipāta*, III, 7) this literature is called the fifth Veda. It was in fact the Veda of the laity; and as such the epics and Purāṇas have been universally accepted all through the classical period even down to the present day.

The attitude of modern scholarship towards these documents has varied at different times. In the early days of the study of Sanskrit in Europe they were accepted as historical. But it was soon evident that no satisfactory system of Indian chronology could be established by their aid alone; and for a long time scholars seem to have agreed to ignore their evidence unless when supported from other sources. After having been unduly appraised, the Purāṇas were unduly neglected. In recent years a reaction has set in, and there is a growing belief that these works are worthy of more serious attention than they have hitherto received. It has been shown that the historical information which they convey is not so untrustworthy as was formerly supposed. Dr Vincent Smith, for example, was able in 1902 (*Z.D.M.G.*, pp. 654, 658 ff.) to prove that both the dynastic list of the Andhra kings and the duration of the different reigns as stated in the Matsya Purāṇa are substantially correct.

The critical study of the Purāṇas, which was inaugurated by Mr Pargiter's *Dynasties of the Kali Age* (1913), is still in its infancy. When this important branch of literature has been examined by the methods which have been applied to the Vedas and Brāhmaṇas, there can be little doubt that valuable historical results will be obtained. The Purāṇas are confessedly partly legendary and partly historical. The descriptions of superhuman beings and of other worlds than this are glorified accounts of the unknown founded on the analogy of the known. They find their counterpart in that Christian Purāṇa, Milton's *Paradise Lost*. The descriptions of ancient monarchs and of their realms are essentially historical. They may be compared to the Sagas and the medieval chronicles of Europe. They are the products of an imaginative and uncritical age in which men were not careful to distinguish fact from legend. It is the task of modern criticism to disentangle the two elements. Its first object should be to remove from the existing Purāṇas all later additions, and then from a comparison of their oldest portions to determine the relations in which they stand to one another, and thus, as far as possible, to restore their common tradition to its original form.

As yet this necessary preliminary process has not even been begun; and until it is completed the real value of the Purāṇas as historical evidence cannot be estimated. They still continue to be dated by scholars according to the latest indications which can be discovered in them, and they are too often rejected as incompetent witnesses for the events of any earlier period. The elementary fact that the date, whether of a building or of a literary production, is not determined by its latest addition is in their case generally ignored.

The eighteen Purāṇas are associated with an equal number of Upapurāṇas. Traditional lists, in which all of these Purāṇas and Upapurāṇas are arranged in a definite order of precedence, have been preserved in the works themselves. In these the Brahmā Purāṇa stands first; and, as this position and its alternative title 'Ādi' or 'the First' would alike seem to indicate, it is probably the oldest. There would appear to be nothing in its earlier portions to discountenance this claim; but it has received late additions, and on the evidence of these Wilson ascribed it to the thirteenth or fourteenth century. This affords a signal instance of the misconception which may be caused by failure to discriminate between the ages of different parts of a work. All the Purāṇas without exception have been altered. The Vishṇu Pur., which stands third in the list, has apparently suffered less than the others.

Comparatively little is known about the Upapurāṇas. Few of them have been published or thoroughly investigated. They appear to be, as a rule, still more narrowly sectarian than the Purāṇas, and to be intended to further religious interests which are more purely local. They probably have little, if any, historical worth.

The total number of couplets comprised in the eighteen Purāṇas as given in the lists is 400,000, the length of the different versions varying from 10,000 to about 81,000 couplets. These statements were no doubt accurate at the time when the computation was made; but great changes have since taken place. On the one hand, whole sections have been lost. The Vishṇu Pur., usually regarded as the best conserved of all, has now less than 7000 couplets: in the lists it appears with 23,000. On the other hand, numerous more recent works claim to belong to one or other of the Purāṇas, so that it is now sometimes impossible to define the precise limits of the latter. If all the productions which profess to form portions of the Skanda Pur., for instance, were included, the total given in the lists would be greatly exceeded.

As to the history of these eighteen versions of a common tradition, it seems certain that they were moulded into their present form at various centres of religious activity. The case has been clearly stated by the late Mr A. M. T. Jackson in the Centenary Volume of the *Jour. of the Bombay Branch of the R. A. S.* (1905), p. 73:

> A very striking analogy to the mutual relations of the various Purāṇas is to be found in the case of our own Saxon chronicle, which, as is well known, continued to be written up in various monasteries down to the reign of Stephen, though the additions made after the Roman conquest were independent of each other. Similarly the copies of the original verse Purāṇa that were possessed by the priests of the great centres of pilgrimage were altered and added to chiefly by the insertion of local events after the fall of a central Hindu government had made communication between the different groups of Brāhmans relatively difficult. In this way the Brahmā Purāṇa may represent the Orissa version of the original work, just as the Padma may give that of Pushkara, the Agni that of Gayā, the Varāha that of Mathurā, the Vāmana that of Thānesar, the Kūrma that of Benares, and the Matsya that of the Brāhmans on the Narmadā.

At what period the eighteen Purāṇas assumed their distinctive titles is uncertain. It was no doubt long after they had ceased to be regarded as repositories of historical information, for they are grouped in the traditional lists entirely according to their religious character. It has sometimes been supposed that one of their number is the immediate source of all the others; but it seems more probable that they belong to several groups which represent different lines of tradition. Possibly the Purāṇas which are narrated by the Sūta may belong to one such group, and those which are narrated by Maitreya to another. One at least of the present titles may be traced back to an early period; for the Bhavishya or Bhavishyat Pur., the ninth in the list, is quoted in the Dharma Sūtra of Āpastamba (II, 9, 24, 6) which cannot be later than the second century B.C. and may possibly be still more ancient[1]. But as a rule early references to this traditional lore describe it generally as Purāṇa or Itihāsa-Purāṇa, a class of literature which, as we have seen, undoubtedly goes back at least to the time of the Atharvaveda.

Some such antiquity is implicitly claimed by the Purāṇas in their prologues. Parāçara, who narrates the Vishṇu Pur., is the grandson of Vasishṭha, the rishi of the seventh maṇḍala of the Rigveda; and his narration takes place in the reign of Parikshit[2]

[1] Chapter X, pp. 249 f.

[2] The name appears as Parikshit in the earlier, and as Parīkshit in the later, literature.

who is celebrated as a king of the Kurus in the Atharvaveda. Nearly all the other Purāṇas are attributed to the Sūta and to a period four generations later. Of the prologues to these that of the Vāyu Pur. may be selected as typical. The rishis are performing their twelve-year sacrifice in the Naimisha forest on the bank of the sacred river Drishadvatī. To them comes the Sūta, the custodian of the ancient Kshatriya traditions. At their request he takes up his parable and retells the legends entrusted to his care by Vyāsa. The scene is laid in the reign of the Pūru king Adhisīmakrishṇa, who is supposed to have lived before the beginning of the Kali Age, or, as we should say, before the historical period. But the genealogy assigned to him indicates a more definite date; for of his immediate forbears—Açvamedhadatta, Çatānīka, Janamejaya, Parīkshit—all but the first, his father Açvamedhadatta, are no doubt to be identified with kings of the same names who appear in the Brāhmaṇas.

Whatever may be the historical value of these prologues, they certainly carry us back to the same period, the period of the Atharvaveda and the Brāhmaṇas, to which modern research has traced the existence of an Itihāsa-Purāṇa literature. To suppose that they are altogether concoctions of the Middle Ages is to place too great a strain on our credulity. They can scarcely have been reconstructed from the fragmentary evidence supplied by Vedas and Brāhmaṇas at a period when no one could have dreamed of treating Vedas and Brāhmaṇas as historical documents—a task reserved for the nineteenth century. We cannot escape from the only possible conclusion, that the Purāṇas have preserved, in however perverted and distorted a form, an independent tradition, which supplements the priestly tradition of the Vedas and Brāhmaṇas, and which goes back to the same period. This tradition, as we may gather from the prologues, was handed down from one generation of bards to another and was solemnly promulgated on the occasion of great sacrifices.

The Kshatriya literature of the heroic age of India has for the most part been lost. Such of it as has survived has owed its preservation to its association with religion. The commemoration of the lineage of kings found a place in religious ceremonial, as, for instance, in the year-long preparation for the 'horse-sacrifice,' by the performance of which a king ratified his claim to suzerainty over his neighbours. It is no doubt to such commemorations that we owe the dynastic lists which have been preserved in the Purāṇas.

The historical character of these works is disguised by their setting. They have been made to conform with Indian ideas as to the origin and nature of the universe and its relation to a First Cause. The effect of this has been to remove the monarch, who is represented as reigning when the recital takes place, and all his predecessors from the realm of history into the realm of legend; and it has been found necessary to preserve the illusion throughout the subsequent narrative. The Sūta is invited by the sacrificing rishis of the Naimisha forest to describe the Kali Age which is still to come. It is evident that he can only do so prophetically. He can only reproduce the foreknowledge which has been divinely implanted in him by Vyāsa. Accordingly he uses the future tense in speaking of kings who have actually reigned and of events which have actually happened. History has been made to assume the disguise of prophecy.

When this pretence is set aside, and when all legendary or imaginary elements are removed, the last two sections of the Purāṇas afford valuable information as to the geography and history of ancient India.

The fourth section, the *manvantara*, deals with the 'periods of the different Manus.' These form part of a chronological system which is purely hypothetical. Time, like soul and matter, is a phase of the Supreme Spirit. As Brahmā wakes or sleeps, the universe wakes or sleeps also. Each day and each night of Brahmā is an 'aeon' (*kalpa*) and is equivalent to a thousand 'great ages' (*mahāyuga*), that is to say, 1000 × 4,320,000 mortal years. During an 'aeon' fourteen Manus or 'fathers of mankind' appear, each presiding over a period of seventy-one 'great ages' with a surplus. Each 'great age' is further divided into four 'ages' (*yuga*) of progressive deterioration like the golden, silver, brazen, and iron ages of Greek and Roman mythology. These are named, from the numbers on the dice, Kṛita, Tretā, Dvāpara, and Kali, and are accordingly supposed to last for periods represented by the proportion 4 : 3 : 2 : 1. We need not follow this subdivision of time down to its ultimate fraction 'the twinkling of an eye' (*nimesha*) or dwell on the sectarian zeal which leads some of the Purāṇas to assert that an 'aeon' of Brahmā is but 'the twinkling of an eye' in the endurance of Çiva or Vishṇu.

The account of the *manvantara* of Manu Svāyambhuva, the first in the series of fourteen, includes a description of the universe as it now exists or is supposed to exist. The greater part of this description is, like the chronology, imaginary. The world, according

to this primitive geography, consists of seven concentric continents separated by encircling seas. These are the 'seas of treacle and seas of butter' at which Lord Macaulay, with his utter inability to understand any form of early culture, scoffed in his celebrated minute on Indian education. The innermost of these continents, which—and here we come to actuality—is separated from the next by salt water, is Jambudvīpa; and of Jambudvīpa the most important region is Bharatavarsha or Bhārata, that is to say, the sub-continent of India:

> The country that lies north of the ocean, and south of the snowy mountains, is Bhārata; for there dwell the descendants of Bharata...
>
> The seven main chains of mountains in Bhārata are Mahendra, Malaya, Sahya, Çuktimat, Ṛiksha, Vindhya, and Pāripātra...
>
> On the east of Bhārata dwell the Kirātas (the barbarians), on the west, the Yavanas: in the centre reside Brāhmans, Kshatriyas, Vaiçyas, and Çūdras. (*Vishṇu Pur.*, trans. Wilson, II, pp 127-9.)

General descriptions such as this are followed by lists, more or less detailed, of the rivers which flow from the Himālayas and the seven great ranges, and of the tribes inhabiting the various regions. As in all early geography, the district is known by the plural of the tribal name. Similar lists are found also in the Mahābhārata and elsewhere. This extensive geographical literature gives a remarkably full account of the whole sub-continent.

The geographical, like the dynastic, lists have evidently been brought up to date from time to time, since foreign invaders of very different dates appear in them. These seem to range from the Yavanas, Çakas, and Pahlavas, who came into India in the second and first centuries B.C., to the Hūṇas, who broke up the Gupta empire at the end of the fifth century A.D.

The fifth and last section of the Purāṇas, the *vaṃçānucharita*, gives an account of the kings of the earth, the descendants of Manu Vaivasvata, the 'son of the Sun.' The narrative uses all three tenses, past, present, and future; for it recounts the kings who have been, the kings who are, and the kings who are to be. The earliest of these genealogies, like the most ancient chronicles of other peoples, are legendary. They trace the descent of the rulers of this world from the Sun and Moon, and through them from the Creator—a claim inherited and still maintained by the Sūrajbansi and the Chandrabansi families of Rājput princes. Such pedigrees have been pieced together from fragments of religious lore or from fancied etymologies on to which old-world traditions and speculations have been engrafted. Ilā, the daughter of Manu,

from whom the Lunar family is derived, personifies, as her name denotes, the sacrificial offering made by Manu in the legend of the Flood (*Çata. Br.*, I, 8, 1, 11). Such legendary characters are everywhere the result of man's early speculations on the origin of the world. The first glimpses of authentic history only appear when tribal names are inserted in the genealogies under the disguise of eponymous ancestors. These, too, are the outcome of hypothesis, but of hypothesis founded on facts. All the members of a tribe are presumably descended from a common ancestor, and related tribes are descended from related ancestors. On these supposed individuals the names of the tribes are conferred; and they supply a sort of genealogical framework which continues to be filled in by tradition until the age of records. Once fashioned in this way such genealogies are accepted without question until the period when critical scholarship arises and undertakes its first duty, which is to discriminate between legend and fact in the story of past ages.

In the Purāṇas, which were the common scriptures of the ruling Āryan peoples of Northern and Western India, the traditional genealogies of the royal houses have been collected and made to form a consistent whole. Not only are the ancient tribes of the Rigveda and the kingdoms immediately descended from them represented here, but the realms of Kosala (Ayodhyā), Videha, Vaiçālī, and Magadha, which were not Āryanised until a later date, have also been brought into the scheme and furnished with a still longer and more august pedigree. They belong to the Solar family and are derived directly from Manu through Ikshvāku. A family of princes bearing this name is known from Vedic literature; and it is quite possible that the Solar dynasties of Kosala and other kingdoms to the east of the Middle Country may have been descended from this family. If so, the Ikshvāku of the genealogical tree must be regarded as an eponymous ancestor; and as his superhuman origin had to be explained, a myth founded on a far-fetched etymology of his name was invented. Ikshvāku was so called because he was born from the sneeze (*kshava*) of Manu (*Vishṇu Pur.*, trans. Wilson, III, p. 259).

Fragments of historical fact may no doubt be found embedded even in the earliest lists; but these fragments have been carried down the stream of time and deposited far away from their original home. Thus, for instance, Purukutsa and his son Trasadasyu, who in the Rigveda are Pūrus living on the Sarasvatī, appear in the Purāṇas among the Solar kings of Kosala; Vadhryaçva, Divodāsa,

Pijavana, and Sudās, who form a direct line in the succession of Bharata princes ruling in the country between the Sarasvatī and Drishadvatī, appear in this order, but with intervening reigns, among the kings of N. Pañchāla[1]. It is probable that these apparently conflicting statements are not really contradictory: the chain of evidence which might bring the tradition of the Purāṇas into substantial agreement with the Rigveda has been broken.

But it is clear that documents of this kind can only be used with the greatest caution. To some extent at least they have unquestionably been fabricated in accordance with preconceived opinions. How these pedigrees have been elaborated, even at a comparatively late date, by court poets who sought to magnify the ancient lineage of their lord, may sometimes be seen at a glance. For example, in the genealogy of the Ikshvākus of Kosala the immediate predecessors of Prasenajit, the contemporary of Buddha, are Çākya, Çuddhodana, Siddhārtha, and Rāhula. That is to say, the eponymous hero of Buddha's clan, Buddha's father, Buddha himself, and his son have all been incorporated in the dynastic list of the kings of Kosala[2].

It seems impossible to bring the Purānic genealogies into any satisfactory relation with the Vedic literature or with one another until we approach the period at which they profess to have been recited, that is to say, the reign of Parīkshit in the case of the Vishṇu Pur. and the reign of Adhisīmakrishṇa in the case of most of the others. Then certain synchronisms seem to afford a more secure chronological standpoint. Parīkshit is celebrated as a king of the Kurus in the last and latest book of the Atharvaveda: according to the epic, as usually interpreted, he was appointed king of Hastināpura more than thirty-six years after the great war between the Kurus and Pāṇḍus. Adhisīmakrishṇa, the great great grandson of Parīkshit is represented by the Purāṇas as contemporary with Divākara of Kosala and Senājit of Magadha. Between the last mentioned and his predecessor Sahadeva, who was killed in the great war, six reigns intervene. The length of each reign and the total duration of the different dynasties of Magadha are given in some versions. Unfortunately the state of the text is so corrupt and the numbers are so discrepant that this evidence is generally of no value. Leaving out of account an impossible reading which attributes a reign of one hundred years to Nirāmitra, the MSS. as they stand give a maximum of 289 and

[1] Pargiter, *J.R.A.S.*, 1910, p. 28.

[2] See Pargiter, *Dynasties of the Kali Age*, pp. 11, 67.

a minimum of 259 years to the six reigns which separate the great war from Senājit of Magadha; and even the lesser of these estimates would seem to be excessive. We must be content with the general conclusion that the tradition of the Purāṇas, according to the dynastic lists of Hastināpura and Magadha, places the great war early in what we know as the Brāhmaṇa period, say about 1000 B.C.

That the war between the Kurus and Pāṇḍus is historical and that it took place in ancient times cannot be doubted, however much its story has been overloaded with legend, and however late may be the form in which it has been handed down. The legend of the war of the Mahābhārata in India finds its exact parallel in the legend of the Trojan war in Europe. Each became the great central point to which the nations of the Middle Ages referred their history. To have shared ancestrally in the fame of Kurukshetra or of Troy was for nations the patent of nobility and ancient descent. The remotest peoples of Eastern and Southern India and the late invaders of the North-West alike claimed a place in the story of the Mahābhārata, even as the royal houses of Western Europe traced their origin to Trojan heroes. Until the close of the sixteenth century no historian of France or Britain doubted that the kings of these countries were descended from the Trojan Francus or Brutus, both of whom were in reality eponymous heroes like Yadu and his brothers in the Purāṇas. Milton in his *History of England* (1670) repeats the story of Brutus at length and in detail; but a chance phrase—'they who first devis'd to bring us from some noble ancestor'—shows that historians were beginning to recognise the origin of such legends. And so far as the Mahābhārata associates most of the nations of India with the great war it has been 'devis'd' in the same manner and for the same purpose. A nucleus of fact has been encrusted with the legendary accretions of ages.

After the great war detailed dynastic tables continue to be given in the case of three royal lines only—the Pūrus, the Ikshvākus, and the kings of Magadha. Other kingdoms are mentioned summarily with a bare statement of the number of contemporary reigns. The Purānic history is thus, professedly though not actually (pp. 311, 318), confined in its later stages to the regions now represented by the United Provinces and S. Bihār.

In the Pūrus or Pauravas of the Purāṇas the Bharatas of the Rigveda and the Kurus of the Brāhmaṇas have been merged. In the Rigveda both the Pūrus and the Bharatas live in the land of

the Sarasvatī (Brahmāvarta or Sirhind). But already the Āryan occupation of Kurukshetra, the adjacent country of the upper Jumna and Ganges on the south-east, was beginning: for a victory on the Jumna gained by Sudās, king of the Tṛitsus, over a native leader called Bheda is referred to in VII, 18, 19. In the Purāṇas, Sudās and his family appear in the list of the kings of N. Pañchāla to the east of Kurukshetra. That is to say, the later kings of N. Pañchāla (p. 316) claimed descent from the Tṛitsus of the Rigveda, who are regarded by the Purāṇas as a branch of the Pūrus.

But the great conqueror of Kurukshetra was Bharata Dauḥshanti, whose victories on the Jumna and Ganges are commemorated in an old verse quoted by the Çatapatha Brāhmaṇa (XIII, 5, 4, 11); and the extension of Bharata's conquests to Kāçī (Benares) is attributed by another ancient verse (XIII, 5, 4, 19) to Çatānīka Sātrājita. In the Purāṇic list of Pūru kings, Bharata and his father, Dushyanta, appear long before, and Çatānīka soon after, the beginning of the Kali Age. Between the periods of the two conquerors, Bharata and Çatānīka, came the war of the Mahābhārata, which for the Purāṇas marks the division between the third and fourth ages of the world.

The later list contains the names of twenty-nine Pūru kings, who lived after the war. They reigned first at Hastināpura, the ancient capital of the Kuru princes, which is usually identified with a ruined site in the Meerut District 'on the old bed of the Ganges, lat. 29° 9′ N., long. 78° 3′ E.' (Pargiter, *Mārk. Pur.*, p. 355); but when this city was destroyed by an inundation of the Ganges in the reign of Nichakshus, the successor of Adhisīmakṛishṇa, they removed the seat of their rule to Kauçāmbī, possibly the present Kosam in the Allahābād District. Another of their capitals was Indraprastha in the Kuru plain, the ancient city of the Pāṇḍu princes: it is the modern Indarpat, near Delhi. The Pūrus therefore, with their capitals in the north, east, and west, ruled over a large portion of the present province of Agra from the Meerut Division on the north to the Benares Division on the south-east. The dynasty came to an end with Kshemaka, the fourth king to reign after Udayana, the contemporary of the Buddha (p. 310)[1].

From the evidence both of Vedic literature and of the Purāṇas it appears that the Ikshvākus were originally a branch of the Pūrus. They were kings of Kosala, the country which lay to the east of the

[1] For the historical details here summarised, see *Vedic Index*, I, pp. 158, 155, 165, 169; II, pp. 12, 96, 110, 186; Pargiter, *J.R.A.S.*, 1910, pp. 26–29; *Kali Age*, pp. 4 ff., 65 ff.

Kurus and Pañchālas and to the west of the Videhas, from whom it was separated by the river Sadānīra, probably the Great Gandak. This territory was practically the modern province of Oudh. The chief cities were Ayodhyā (Ajodhyā on the Gogrā in the Fyzābād District) with which the Sāketa of Buddhist writers was probably either identical or closely associated, and Çrāvastī (Set Mahet in the Gondā District). In story Ayodhyā is famous as the city of Daçaratha, the father of Rāma, the hero of the Rāmāyaṇa. Both of these characters, who may possibly have been historical, are assigned by the Purāṇas to a dim and distant period long before the beginning of the Kali Age.

Although the extension of Brāhmanism from the land of the Kurus and Pañchālas to Kosala was comparatively late (p. 117), the Āryan occupation of the country goes back to an earlier period. In the later Vedic literature two kings of Kosala, Hiraṇyanābha and Para Āṭṇāra, probably father and son, seem to be mentioned as performing the horse-sacrifice in celebration of their victories; and, as the former of these appears in the Purānic list before the Kali Age, the conquest of Kosala was evidently attributed to the period before the great war.

In the time of the Buddha, Kosala was the predominant kingdom in Northern India, but it was already being eclipsed by the growing power of Magadha. Such incidents in its history as can be recovered from early Buddhist literature have been narrated in Chapter VII (pp. 178 ff.).

The Purānic list of Ikshvāku kings in the Kali Age concludes with Sumitra, the fourth successor of Prasenajit, who was contemporary with the Buddha. The royal houses of Pūru and Ikshvāku, the sovereigns of Agra and Oudh, thus disappear from the scene at about the same time (p. 308). Henceforth the historical interest of the Purāṇas centres in Magadha which had become the suzerain power in the Middle Country[1].

The Magadhas, who inhabited the Patna and Gayā Districts of S. Bihār, are unknown by this name to the Rigveda; but, together with their neighbours, the Aṅgas, in the Districts of Monghyr and Bhāgalpur, they are mentioned in the Atharvaveda as a people living on the extreme confines of Āryan civilisation. Their kings claimed to be Pūrus: they traced their descent from Kuru through the great conqueror, Vasu Chaidya[2], whose son, Bṛihadratha, was the founder of the dynasty which is known by his name.

[1] *Vedic Index*, I, pp. 75, 190, 491; II, p. 506; Pargiter, *J.R.A.S.*, 1910, pp. 27, 29; *Kali Age*, pp. 9, 66.

[2] Possibly the Kaçu Chaidya of *Rigveda*, VIII, 5, 37.

Magadha is the most famous kingdom in ancient and medieval India. Twice in history did it establish great empires—the Maurya Empire in the fourth and third centuries B.C., and the Gupta Empire in the fourth and fifth centuries A.D. The long line of kings attributed to Magadha by the Purāṇas consists of a series of no fewer than eight dynastic lists furnished with a statement of the number of years in each reign and the duration of each dynasty. If all these dynasties could be regarded as successive, and if the length of reigns could be determined with certainty, the chronology of Magadha would be a simple matter of calculation. But this is not the case. Some of the royal families included in the series were undoubtedly contemporary, and the text of the Purāṇas has become so corrupt that the numbers as stated by the different MSS. are rarely in agreement.

Bṛihadratha himself and nine of his successors are supposed to have reigned before the Kali Age. It is recorded that, when Sahadeva, the last of these, was slain in the great war, Somādhi, his heir, became king in Girivraja, 'the fortress on the hill,' at the foot of which the old capital of Magadha, Rājagṛiha, grew up. The site is marked by the ruined town of Rājgīr in the Patna District. In the reign of Senājit, Somādhi's sixth successor, most of the Purāṇas claim to have been recited. No other event is connected with the twenty-one successors of Sahadeva.

The next two dynasties, the Pradyotas and Çiçunāgas, were almost certainly contemporary. The Pradyota dynasty may be identified with the Pauṇika family mentioned in the *Harshacharita* (trans. Cowell and Thomas, p. 193). According to the Purāṇas, the founder, Puṇika (Pulika), slew his master, Ripuñjaya, the last of the Bṛihadrathas, and anointed his own son in his stead. After five reigns, the duration of which is given by some versions as 52 years and by others as 138 years, the Pradyota dynasty is supplanted by Çiçunāga, who, after placing his son on the throne of Kāçī (Benares), himself takes possession of Girivraja.

But this is history distorted. Some editor has evidently placed independent lists in a false sequence and supplied appropriate links of connexion. This is clear from the evidence of Buddhist literature.

The Pradyotas were kings of Avanti (W. Mālwā) and their capital was Ujjain. Pradyota (Pajjota) himself, like Bimbisāra and Ajātaçatru (Ajātasattu), the fifth and sixth in the list of Çiçunāgas, and like the Pūru Udayana (Udena) of Vatsa (Vaṃsa) and the Ikshvāku Prasenajit (Pasenadi) of Kosala, was contem-

porary with the Buddha[1]. The first of the Pradyotas, and the fifth and sixth of the Çiçunāgas, who are separated by more than 150 years at the least according to the Purāṇas[2], were therefore ruling at the same period in different countries.

That the Pradyota of the Purāṇas and the Pradyota of Ujjain were one and the same person does not admit of question. The fact is implied in the statement of the Matsya Pur.[3], and is clear when the Purāṇas are compared with other Sanskrit literature. Udayana, the king of Vatsa, is the central figure in a large cycle of Sanskrit stories of love and adventure; and in these Pradyota, the king of Ujjain, the father of the peerless Vāsavadattā, plays no small part. In some of the stories he appears also as the father of Pālaka and the grandfather of Avantivardhana[4]. Now of the five members of the dynasty in the Purāṇas the first two are Pradyota and Pālaka (*v.l.* Bālaka), and the last is probably Avantivardhana; for the various readings of the MSS., as given by Mr Pargiter (*Kali Age*, p. 19), indicate that this may be the correct form of the name which appears in his text as Nandivardhana.

This intrusion of kings of Avanti in the records of Magadha is probably to be explained, as in the similar case of the Andhras (p. 318), as the result of a suzerainty successfully asserted by Avanti; and this may have been the outcome of the attack on Ajātaçatru which Pradyota was reported to have been contemplating shortly before the Buddha's death[5]. If so, the supremacy of Avanti, which may have been temporary, was not established until some years after the beginning of Ajātaçatru's reign, and the Pradyotas of the Purāṇas were contemporary with the later Çiçunāgas—Ajātaçatru, Darçaka, and Udāyin.

It is only when we come to the reigns of Bimbisāra and Ajātaçatru in the Çiçunāga dynasty that we find the firm ground of history. At this period lived Mahāvīra and Buddha, the founders, or perhaps rather the reformers, of Jainism and Buddhism; and now the Purāṇas are supplemented by two other lines of tradition which are presumably independent. In the Jain accounts Bimbisāra appears as Çreṇika and Ajātaçatru as Kūṇika: the former began the expansion of Magadha by the conquest of the kingdom of Aṅga (Monghyr and Bhāgalpur), and the latter is said to have come to the throne after the death of Mahāvīra and a few years before the death of Buddha.

[1] See Chapter VII, pp. 180, 183, 185, 187.
[2] *Kali Age*, pp. 18–21, 68–9.
[3] Mr Harit Krishna Deb in *Udayana Vatsarāja* (Calcutta, 1919), p. 4.
[4] Lacôte, *Guṇāḍhya et la Bṛhatkathā*, p. 154.
[5] Chapter VII, p. 185.

Unfortunately on one important point the three sources of information are not in agreement. The first eight kings in the Purānic genealogy may be arranged into two groups, the first headed by Çiçunāga and the second by Bimbisāra. This arrangement is reversed in the Buddhist lists, while Çiçunāga's group is omitted altogether by the Jains. It is difficult to see how the three traditions, each of which has its champions among modern scholars, can be reconciled.

The Brāhman and Buddhist books record the length of the reigns of Bimbisāra and Ajātaçatru; but they are not in agreement with one another, and moreover the Brāhman accounts are not consistent. In the present corrupt condition of the text the various MSS. of the Purāṇas attribute a reign of either 28 or 38 years to Bimbisāra, and one of 25, 27, or 28 years to Ajātaçatru (*Kali Age*, p. 21). Until the text has been restored by critical editing the authentic tradition of the Brāhmans cannot be ascertained. In contrast with this discrepancy the Buddhist chronicles of Ceylon, the Dīpavaṃsa and the Mahāvaṃsa, offer a consistent and more detailed account of these reigns and of certain important events in the lifetime of Siddhārtha, the Çākya prince who became the Buddha. Whether this tradition is to be accepted as correct in preference to the other may be questioned; but it affords the best working hypothesis which has yet been discovered. The chronology as determined by Prof. Geiger in the introduction to his translation of the Mahāvaṃsa (pp. xl–xlvi) may be tabulated as follows:

Çiçunāga Kings.		*Siddhārtha (the Buddha).*	
Bimbisāra's birth ...	558 B.C.	Born	563 B.C.
" accession .	543 "	Leaves his father's house...	534 "
" death ...	491 "	Becomes Buddha	528 "
Ajātaçatru's accession ...	491 "	Meets Bimbisāra (for the second time)[1]	528 "
" death	459 "	Attains *nirvāṇa*	483 "

After these two reigns we come once more to a period of conflicting authorities and chronological uncertainty which lasts until the reign of Chandragupta. The Buddhist genealogy preserved in the Mahāvaṃsa is certainly not above suspicion[2]; for each of the five kings from Ajātasattu to Nāgadāsaka is said to have killed his father and predecessor within a period of fifty-six years, and we are solemnly told that, after the last of these, Nāgadāsaka, had occupied the throne for twenty-four years, the citizens awoke to the fact that 'this is a dynasty of parricides' and appointed

[1] See Chapter VII, pp. 183 f.   [2] Chapter VII, pp. 189 f.

the minister Susunāga (Çiçunāga) in his stead. The Jain tradition recognises only Udāyin and the nine Nandas as reigning during this interval; and the Purānic list (*Kali Age*, pp. 21–6, 68–9) is as follows:

Darçaka reigned	24, 25, or 35 years		
Udayin „	33 „		
Nandivardhana reigned	40, or 42 years		
Mahānandin „	43 „		
Mahāpadma „	28, or 88 „	Total, 100 years.	
His eight sons „	12 „		

Darçaka appears not to be mentioned by the Buddhist writers, unless indeed he is to be identified with Nāgadāsaka whom they place before Udāyin (Udāyi-bhadda); but he is known to Sanskrit literature as a king of Magadha and the brother of Padmāvatī, the second queen of Udayana, king of Vatsa[1]. Udāyin, or Udāyi-bhadda, is known to all the three traditions. To him the Brāhmans and Jains attribute the foundation of Kusumapura on the south bank of the Ganges. The new city, which was either identical with the later Pāṭaliputra or in its immediate neighbourhood, was built near the fortress which Ajātaçatru had established at the village of Pāṭali as a protection against the Vajjian (Vṛiji) confederacy of Licchavis, Videhas, and other clans of N. Bihār. The foundation of Pāṭaliputra is ascribed by the Buddhists to Kālāsoka.

The ten Çiçunāga kings are expressly called Kshatriyas by the Purāṇas, but the last of these, Mahānandin, became, through his marriage with a Çūdra woman, the founder of a Çūdra dynasty which endured for two generations—Mahāpadma and his eight sons. One of the latter, usually supposed to be named Dhana-nanda, was on the throne in 326 B.C., when Alexander the Great was obliged by the unwillingness of his army to abandon his scheme of attacking the Prasioi, or 'eastern nations,' then united under the suzerainty of Magadha. Within a few years of Alexander's retirement from India, this suzerainty passed from the Nandas to the Mauryas, probably c. 321 B.C.

The period of the nine Nandas is thus determined. According to the Purāṇas they represent no new family: they are the direct descendants of the Çiçunāgas, the last and the last but one of whom, Mahānandin and Nandivardhana, bear names which indicate their connexion. There are, therefore, two groups of these kings, which seem to be distinguished in literature as the 'old' and the 'new' Nandas; and, as Mr Jayaswal has suggested, 'new' and not

[1] *Svapnavāsavadattā*, Act. I (ed. Trivandrum Series, pp. 4, 5).

'nine' may have been the correct designation of the later group[1]. The Purāṇas know no break of political continuity between the Çiçunāgas and the Nandas; but they recognise that a great social and religious gulf has been fixed between the earlier and the later Nandas by the flagrant violation of caste law which placed Mahāpadma, the son of a Çūdra woman, on the throne; and they mark their sense of this chasm by interpolating after the reign of Mahānandin a summary of the number of reigns in other contemporary dynasties before proceeding with their account of the rulers of Magadha.

As to the origin of the Nandas we have no certain information; but the name is probably tribal, and it may be connected with the Nandas who lived near the river Rāmgangā, between the Ganges and the Kosi in the Himālayan region of the United Provinces[2]. The countries of the Himālayan fringe at this period were occupied by innumerable clans governed by tribal constitutions which may best be described as aristocratic oligarchies. Like the Rājputs, they were conquerors ruling in the midst of subject peoples; and, as Dr Vincent Smith has suggested[3], many of these clans may have been of Tibeto-Chinese origin. It is possible that the Çiçunāgas and Nandas may have been the descendants of mountain chieftains who had won the kingdom of Magadha by conquest.

A Nanda king is twice mentioned in the Hāthigumphā inscription of king Khāravela of Kaliṅga (Orissa). The inscription, which is a record of events in thirteen (or fourteen) years of the king's reign, has been badly preserved. Considerable portions have been lost, and both the reading and the interpretation of many passages are uncertain. The record in its present state can only be used as a basis for history with the utmost caution. It is clear, however, that in his fifth year Khāravela executed some public work which was associated with the memory of king Nanda[4], and that in his twelfth year he gained a victory over the king of Magadha and,

[1] *Jour. Bihar and Orissa Research Soc.*, September 1915, p. 21.

[2] Pargiter, *Mārk. Pur.*, pp. 292, 383. [3] *Oxford History of India* (1919), p. 49.

[4] The different versions of this passage in line 6 of the inscr. depend chiefly, though not solely, on the translation of *ti-vasa-sata*. The following renderings have been proposed:

(1) 'He opened the three-yearly almshouse of Nandarāja' (Pandit Bhagvānlāl Indrājī, *Trans. Inter. Or. Cong.*, Leiden, 1884, Part 3, p. 135. *Sata* = *sattra* or *çatra*, cf. *Ep. Ind.*, x, Appendix, no. 967, p. 100, and no. 985, p. 102);

(2) 'He had an aqueduct, that had not been used for 103 years since king Nanda (or since the Nanda kings), conducted into the city' (Prof. Luders, *Ep. Ind.*, x, Appendix, no. 1345, p. 161. *Sata* = *çata*, as also in the next translation);

(3) 'He brings into the capital...the canal excavated by king Nanda three centuries before' (Mr J. P. Jayaswal and Mr R. D. Banerji, *Jour. Bihar and Orissa Research Soc.*, Dec. 1917, pp. 425 ff.).

according to Mr Jayaswal's translation[1], recovered certain trophies which had been carried away by king Nanda.

These statements of the inscription, coupled with the somewhat enigmatical testimony of an ancient Sanskrit MS. quoted by Mr Jayaswal[2], seem to show that Kaliṅga had been conquered by one of the Nanda kings and lost by another. Kaliṅga was undoubtedly conquered by Açoka, the third of the Maurya emperors, c. 262 B.C.[3] We must infer, therefore, either that it was not included in the dominions of the first two emperors, Chandragupta and Bindusāra, or that it had revolted and was reconquered by Açoka.

Certain stages in the growth of the power of Magadha from its ancient stronghold in the fortress of Girivraja may thus be traced. The expansion began with the conquest of Aṅga (Monghyr and Bhāgalpur in Bengal) by Bimbisāra, c. 500 B.C. The establishment of a supremacy over Kāçī (Benares), Kosala (Oudh), and Videha (N. Bihār) was probably the work of his son and successor, Ajātaçatru, in the first half of the fifth century. Kaliṅga (Orissa) was, perhaps, temporarily included in the empire as a result of its conquest by a Nanda king. It remained for Chandragupta to extend the imperial dominions by the annexation of the north-western region which for a few years had owned the sway of Alexander the Great and his satraps, and for Açoka to conquer, or reconquer, Kaliṅga.

The summary of reigns, which comes in the Purāṇas between the description of the earlier and later Nandas, has reference to ten dynasties in Northern and Central India which were contemporary with the kings of Magadha. It is a bare list of names and numbers without any orderly arrangement, and, as usual, the numbers given by the different MSS. are not consistent. The summary may be rearranged geographically as follows (cf. *Kali Age*, pp. 23–4, 69).

(United Provinces: Agra)

1. Kurus: 36 (19, 26, 30, or 50) reigns.
2. Pañchālas: 27 (25) „
3. Çūrasenas: 23 „
4. Kāçis: 24 (36) „

(United Provinces: Oudh)

5. Ikshvākus: 24 „

(Central India and Gujarāt)

6. Haihayas 28 (24) reigns
7. Açmakas: 25 „
8. Vītihotras: 20 „

(N. Bihār)

9. Mithilas: 28 (18) „

(Orissa)

10. Kaliṅgas: 32 (22, 24, 26, or 40) „

[1] *Op. cit.*, pp. 447, 464–5. [2] *Ibid.* p. 462.
[3] Chapter XX, p. 495.

1. The Kurus are no doubt the Pūrus of the detailed list; but the number of reigns differs.

2. The Pañchālas, a confederation of five tribes, were neighbours of the Kurus. The capital of N. Pañchāla was Ahicchatra, now a ruined site still bearing the same name near the village of Rāmnagar in the Bareilly District. The capital of S. Pañchāla was Kāmpilya, now represented by ruins at the village of Kāmpil in the Farrukhābād District.

3. The peoples living to the south of Kurukshetra claimed descent from Yadu. Of these the Çūrasenas occupied the Muttra District and possibly some of the territory still farther south. This capital was Muttra (Mathurā), the birthplace of the hero Kṛishṇa.

To the west of the Çūrasenas dwelt the Matsyas. The two peoples are constantly associated, and it is possible that at this time they may have been united under one king. The Matsyas occupied the state of Alwar and possibly some parts of Jaipur and Bhartpur. Their capitals were Upaplavya, the site of which is uncertain, and Vairāṭa, the city of king Virāṭa, the modern Bairāt in Jaipur.

4. The little kingdom of Kāçī (Benares) was bordered by Vatsa on the west, Kosala on the north, and Magadha on the east. Some details of its relations with these countries may be recovered from early literature. According to the Çatapatha Brāhmaṇa (XIII, 5, 4, 19), its king Dhṛitarāshtra was conquered by the Bharata prince Çatānīka Sātrājita (p. 308). Such incidental notices of its later history as have been preserved by Buddhist writers have been collected in Chapter VII, pp 180 ff.

At different periods Kāçī came under the sway of the three successive suzerain powers of Northern India—the Pūrus of Vatsa, the Ikshvākus of Kosala, and the kings of Magadha; but it seems to have enjoyed its period of independent power in the interval between the decline of Vatsa and the rise of Kosala, when king Brahmadatta, possibly about a century and a half before the Buddha's time, conquered Kosala. The fame of Brahmadatta has been kept alive in Buddhist literature; for in his reign the Jātakas, or stories of the Buddha in previous births, are conventionally set

The account given in the Purāṇas of the accession of Çiçunāga to the throne of Magadha shows that this king was associated also with Kāçī (p. 310).

5. The number of Ikshvāku kings given in the summary is 22. This is not in accordance with the detailed list which (pp. 308 f) contains 30.

6, 7, 8. The Haihayas, Açmakas, and Vītihotras, like the Çūrasenas, belonged to the great family of the descendants of Yadu who occupied the countries of the river Chambal in the north and the river Narbadā in the south; but it is difficult to identify with precision the kingdoms indicated by these different names. Haihaya is often used almost as a synonym of Yādava to denote the whole group of peoples; and the Vītihotras are a branch of the Haihayas. Both the Vītihotras and the Açmakas are closely associated in literature with the Avantis of W. Mālwā, whose capital was Ujjain (Ujjayinī) on the Siprā, a tributary of the Chambal (Charmaṇvatī)[1].

It would be strange if the rulers of a city so famous both politically and commercially as Ujjain should have found no place in this summary. The most plausible explanation of their apparent absence from the list is that they are here called Haihayas.

[1] For these peoples, see Pargiter, *Mārk. Pur.*, pp. 344–5, 371; *J.R.A.S.*, 1914, p. 274.

9. The Mithilas take their name from Mithilā, the capital of the Videhas, one of the numerous clans, possibly of Tibeto-Chinese origin, who inhabited Tirhut (the districts of Champāran, Muzaffarpur, and Darbhangā in N. Bihār). Videgha Māthava, to whom the Brāhmanisation of this region is attributed by the Çatapatha Brāhmaṇa (*v. sup.* p. 122) is probably its earliest recorded monarch. According to the Purāṇas the Āryan kings of the Videhas were a branch of the Pūru family. They are derived from Mimi, the son of Ikshvāku and the remote ancestor of Sīradhvaja Janaka, the father of Sītā, the heroine of the Rāmāyaṇa. Like Rāma himself, he is supposed to have lived before the Kali Age. It is possible that he may be the King Janaka of Videha who is celebrated in the Brāhmaṇas and Upanishads; and, if so, the story of the Rāmāyaṇa has its origin in the later Brāhmaṇa period. In the time of the Buddha, the Videhas together with the Licchavis of Vaiçālī (Basārh in the Hājīpur sub-division of Muzaffarpur) and other powerful clans formed a confederation and were known collectively by their tribal name as the Vṛijis (Vajjis). The reduction of their power marks an epoch in the expansion of the kingdom of Magadha[1].

10. In the Purāṇas the monarchs of the five kingdoms of Aṅga (Monghyr and Bhāgalpur), Vaṅga (Bīrbhūm, Murshidābād, Bardwān and Nadiā), Puṇḍra (Chotā Nāgpur), Suhma (Bānkurā and Midnapur), and Kaliṅga (Orissa) are derived from eponymous heroes who are supposed to be brothers belonging to the family of Anu[2]. With the exception of Aṅga, none of these kingdoms is mentioned in early literature. The earliest monument which throws light on the history of Kaliṅga is the Hāthigumphā inscription of Khāravela (*v. sup.* pp. 314 f.)

After this summary the royal genealogies are resumed, and detailed lists of the later Nandas, the Mauryas, the Çuṅgas, the Kaṇvas, and the Andhras follow[3]. The continuous record then ceases; but genealogies more or less fragmentary and summaries of ruling powers, both native states and foreign invaders, continue to appear until about the end of the fifth century A.D. when the Purāṇas cease to be historical.

The five dynasties just mentioned are, as usual, regarded as successive; but this can only be true of the Nandas, Mauryas, and Çuṅgas. The Çuṅgas, Kaṇvas, and Andhras were contemporary, although no doubt they claimed the suzerainty of N. India successively. That the first two of these were ruling at the same time may be inferred from the incidental statement that the first Andhra king destroyed the last of the Kaṇvas and 'what was left of the Çuṅgas' power' (*Kali Age*, pp. 38, 71). But it is certain that the Çuṅgas were flourishing after the reign of the first Andhra king. Both powers, Çuṅga and Andhra alike, arose on the ruins of the Maurya empire—the former in the Midland Country and the latter in Southern India. It was probably not until the reign of the

[1] *Vedic Index*, I, pp. 271–3; II, p. 298; Pargiter, *J.R.A.S.*, 1910, pp. 19, 27, 29; Rhys Davids, *Buddhist India*, pp. 25–6, 40–1.

[2] Pargiter, *Mārk. Pur.*, pp. 324–9, 334.

[3] For the history of these dynasties, so far as it comes within the limits of the present volume, see Chapters XVIII–XXI, and XXIV.

third Andhra king, Çātakarṇi, that they came into collision; and then their political association appears to have been transient.

The Purāṇas, however, state or imply that ten Çuṅga kings, reigning for 112 years, were succeeded by four Kaṇvas, who reigned for 45 years, and that then the first of the Andhras, Simuka, having wrested the kingdom from the last of the Kaṇvas, Suçarman, became the founder of a dynasty of thirty kings who ruled over Magadha during a period of 460 years. This is manifestly incorrect. It is evident that by piecing together three separate lists some editor has constructed an entirely false chronology and has perverted history. The Andhras had probably no connexion with Magadha. Their only possible claim to a place in its records must have been founded on a conquest which transferred to them the suzerainty previously held by Magadha[1].

In order to understand the situation we must consider what the consequences of a triumph of this kind must have been. Under the Nandas and the Mauryas Magadha had established a suzerainty which passed by conquest to the first Çuṅga king, Pushyamitra, and was solemnly proclaimed by his performance of the 'horse-sacrifice' (*açvamedha*)[2]. This suzerainty, and with it the proud title of *chakravartin*, 'universal monarch,' was contested successfully by the Andhra king who, as is known from the Nānāghāt inscription of his queen, Nāganikā, celebrated the Açvamedha on two occasions[3]; and, as we have seen (p. 302), there is good reason for believing that the genealogies preserved in the Purāṇas have their origin in the proclamation of the king's lineage which accompanied the performance of this sacrifice.

The rank of a *chakravartin* must, at this period, have conferred on his family an hereditary distinction which entitled all his successors to be commemorated in the records of Magadha. Imperial and royal dignities of this kind, when once established, are not readily abandoned, however shadowy and unreal they may have become. It must be remembered that the sovereigns of our own country continued to use the title and the arms of France until the beginning of the nineteenth century, nearly two centuries and a half after the loss of Calais, the last of their French possessions. Regarded as historical documents, the British coin-legends of the eighteenth century, with their purely hereditary titles, are as misleading as the Purāṇas, which, arranging all in one long series, ascribe to Magadha both its own kings and the families of the suzerains of Northern India.

[1] Chapter xxiv, p. 600. [2] Chapter xxi, p. 520.

[3] Bühler, *Arch. Sur. West. Ind.*, v, pp. 60 ff.

CHAPTER XIV

THE PERSIAN DOMINIONS IN NORTHERN INDIA DOWN TO THE TIME OF ALEXANDER'S INVASION

THE connexions between Persia and India date back to the gray dawn of the period of Indo-Irānian unity, when the Āryan ancestors of the Hindus and Persians still formed an undivided branch of the Indo-European stock. Though the separation of these two kindred peoples, through their migrating into the respective countries they have occupied in historic times, must have taken place more than three thousand years ago, nevertheless there long remained a certain community of interest, which had a bearing upon the early history of the north of India, where Persian influence, and even dominion, was strongest. The aim of the present chapter, therefore, is to bring out the main points of contact between the two nations from the earliest times and to indicate the effect of the sway exercised by Persia in Northern, or rather North-western, India prior to the invasion of Alexander the Great and the fall of the Achaemenian Empire of Irān in the latter part of the fourth century B.C.

To begin the sketch with the most remote ages, it may be assumed that every student is familiar with the evidence that proves the historic relationship between the Hindus and the Persians through ties of common Āryan blood, close kinship in language and tradition, and through near affinities in the matter of religious beliefs, ritual observances, manners, and customs.

An illustration or two may be chosen from the domain of religion alone. The Veda and the Avesta, which are the earliest literary monuments of India and Persia, contain sufficient evidence of the fact of such connexion, even though each of these works may date from times long after the period of Indo-Irānian separation. A certain relationship, for example, is acknowledged to exist between the Vedic divinity Varuṇa and the Avestan deity Ahura Mazda, or Ormazd, the supreme god of Zoroastrianism. Equally well known are the points of kinship between the Indian Mitra and the Irānian Mithra, and, in less degree, between the victorious

Indra Vṛitrahan of the Rigveda and the all-triumphant Verethraghna of the Avestan Yashts. Nor need more than mention be made of the parallels between Yama and Yima or of the cognate use made by the Indians and the Persians of the sacred drink *soma* and *haoma* in their religious rites. Scores more of likenesses and similarities might be adduced to prove the long-established connexion between India and Irān, but they are generally familiar[1].

Additional evidence, however, has comparatively recently been furnished by certain cuneiform tablets which the German professor Hugo Winckler discovered, in 1907, at Boghaz-köi in North-eastern Asia Minor. These documents give, in their own special language, a record of treaties between the kings of Mitāni and of the Hittites about 1400 B.C. Among the gods called to witness are deities common in part to India and Persia, whatever the relation may be. The names involved in the tablets are Mi-it-ra, U-ru-w-na, In-da-ra, and Na-ša-at-ti-ia, corresponding respectively to Mitra, Varuṇa, Indra, and Nāsatyā (the latter regularly a dual in the Veda, and representing the two Açvins) in the Indian pantheon. They answer likewise in due order to the Persian Mithra and to those elements common between the Zoroastrian god Ahura Mazda and the Vedic Varuṇa, as explained above; but on the other hand Avestan Indra and Nāonhaithya (a singular in Av., Vd. X, 9; XIX, 43) appear as demons in the Zoroastrian scriptures. It is not the place here to enter into a discussion of the question as to whether the supernatural beings thus mentioned in the Boghaz köi clay tablets are to be interpreted as being 'proto-Irānian,' 'Vedic,' 'Āryan,' or even 'Mitānian' alone, because the matter is still open to debate by scholars. It is sufficient to draw attention to the general bearings of such a discovery upon the subject of relationship between India and Persia, however direct or indirect the connexion may be[2].

[1] A convenient summary of these now familiar facts will be found in F. Spiegel, *Die arische Periode*, Leipzig, 1887. Throughout the present chapter the terms 'Irān' and 'Irānians' are to be taken broadly, so as to comprehend Persia and its people in the widest significance—whether Medes, Persians, or Bactrians—as forming a special division of the Indo-Irānian branch of the great Indo-European, or Indo-Germanic, stock. The designation 'Āryan' should really be restricted (as is done by scholars) to the common bond represented historically by the Hindus and the Persians.

[2] This valuable find of the tablets by Winckler (who died April 19, 1913) was first reported in his *Vorläufige Nachrichten über die Ausgrabungen in Boghaz-koi im Sommer 1907*, in *Mittheilungen der deutschen Orientgesellschaft*, No. 35 (1908). The importance of the discovery was at once recognised by scholars and has since received wide attention; compare, for example, Eduard Meyer, *Zt. für vergleichende Sprachforschung, Neue Folge* (1908), XLII, 1–27; idem, *Sitzb. d. kgl. preuss. Akad. d. Wiss.*, 1908, pp. 14–19; also H. G. Jacobi, *J.R.A.S.*, 1909, pp. 721–726; H. Oldenburg, *ibid.* pp. 1095–1100;

The geographical connexion between India and Persia historically was a matter of fact that must have been known to both countries in antiquity through the contiguity of their territorial situation. The realms which correspond to-day to the buffer states of Afghānistān and Baluchistān formed always a point of contact and were concerned in antiquity with Persia's advances into Northern and North-western India as well as, in a far less degree, with any move of aggrandisement on the part of Hindustān in the direction of Irān[1]. Evidence from the Veda and the Avesta alike attests the general fact.

Vedic scholars, for example, will agree with Avestan students that the partly common Indo-Irānian domains comprised in the river-system above the Indus basin, and verging toward the north-western border adjacent to Irān, are referred to in the Rigveda in certain allusions to the district indicated by the rivers Kubhā (Kābul), Krumu (Kurram), and Gomatī (Gumal). They will equally unite in emphasising the fact that there are other incidental allusions in the Veda, such as those to Gandhāra and Gandhāri, which may certainly be interpreted as referring to the districts of Peshāwar and Rāwalpindi S.E. from Kābul[2]. A part of these districts has belonged rather to Irān than to India in historic times, but it is equally impossible to deny or to minimise the rôle they have played in India's development ever since the remote age when the tribal ancestors of the present Hindus occupied them on their way into their later established home[3]. For the earliest period, we

A. B. Keith, *ibid.* pp. 1100–1106; A. H. Sayce, *ibid.* pp. 1106–1107; J. Kennedy, *ibid.* pp. 1107–1119; H. G. Jacobi, *ibid.* 1910, pp. 456–464; A. B. Keith, *ibid.* pp. 464–466; H. Oldenburg, *ibid.* pp. 846–850; see also M. Winternitz, *Globus* (1909), xcv, 126; Macdonell and Keith, *Vedic Index*, I, p. viii; and most recently J. H. Moulton, *Early Zoroastrianism*, pp. 5–7, 45, 139, 235; Eduard Meyer, *Geschichte des Altertums*, 3rd ed., vol. I, pt 2, §§ 455, 585, 590.

[1] Arrian, *Indica*, 9, 12, for example, may be cited in support of this statement; for he avers, on Indian authority, that 'a sense of justice, they say, prevented any Indian king from attempting conquest beyond the limits of India.' The assertion certainly seems true for the earliest times.

[2] For references to passages in the texts and for bibliographical allusions consult Macdonell and Keith, *Vedic Index*, I, 162 (Kubhā), 199 (Krumu), 238 (Gomatī), and 218–219 (Gandhāra, Gandhāri). In regard to the territory to be located by the Vedic river Sarasvatī, the present tendency among Sanskrit specialists (most recently, for example, Macdonell and Keith, *op. cit.* II, 434–437) is to confine it to India itself and not to follow the suggestions that have been made, on etymological grounds, to connect the region thus watered by the Sarasvatī directly with the region around the Irānian river Harahvaitī of the Avesta, or Hara(h)uvatī of the Old Persian Inscriptions, as a designation of the ancient land of Arachosia.

[3] The student of history, with an eye to the significance of territorial location, will at once recall the part played in after ages by Kābul as a strategic centre, and as the doorway into India from the north, in the annals of Hindustān.

may well agree with the opinion expressed by Eduard Meyer in an encyclopaedia article on Persia: 'The dividing line between Iranian and Indian is drawn by the Hindu-Kush and the Soliman mountains of the Indus district. The valley of the Kabul (*Cophen*) is already occupied by Indian tribes, especially the Gandarians; and the Satagydae (Pers. *Thataguu*) there resident were presumably also of Indian stock'[1]. These facts, because of their importance in regard to this bridge between India and Irān, will be touched upon again below (pp. 338–9).

Regarding the interpretation of certain other references in the Rigveda as containing allusions, direct or implied, to Persia in a broader sense, there is a wide divergence of opinion among Sanskritists, even though the Irānian investigator may feel assured of the truth of so explaining such passages. Vedic specialists are at variance, for example, as to whether an allusion to the Pārthavas in Rv. VI, 27, 8, is to be understood as a reference to the ancestors of the Parthians, and as to whether the Persians are really referred to under the designation Parçavas (e.g. Rv. X, 33, 2), especially as the difficulty is increased by the uncertainty in determining the real significance historically of the names Pṛithu and Parçu from which the terms Pārthavas and Parçavas are derived. The name Balhika (Atharvaveda, V, 22, 5, 7, 9) has been interpreted by some Indic scholars as containing an allusion to the ancient Irānian tribe of the Bactrians, especially because it is mentioned in connexion with the Mūjavants, a northern people; but other specialists oppose this view and deny an appeal to certain other Vedic words that might be cited. Nevertheless, and in spite of the differences among Sanskrit authorities, there is more than one Irānian investigator who feels positive that some at least of the Rigveda references in question allude to Persia or to Persian connexions in by-gone days. The assumption may reasonably be made that scholarship in the future will tend to prove the correctness of the attempts (wide of the mark though some of them may have been in the past) to show through the Veda the continuity of contact between India and Persia during the period under consideration[2].

From the Irānian side, if we may judge by the sources available,

[1] *Encyclop. Brit.*, 11th ed., XXI, 203, art. 'Persia.'

[2] For complete references to the Vedic passages involved in the discussion, including full bibliographical citations, see Macdonell and Keith, *op. cit.* I, 29 (Abhyāvartin), 347–9 (Dasyu), 450 (Ninditāçva), and especially 504–5 (Parçu), 521–2 (Pārthava); II, 63 (1. Balhika). Macdonell and Keith join with those Sanskrit scholars who oppose the attempt to find any allusions to Irān in the Veda. The extravagant endeavours of

the evidence seems to be much stronger in favour of Persian influence upon India and modifying control over the northern part of the country than it is for a reverse influence of India upon Irān. Throughout ancient history, as indicated above (p. 321), Persia was the more aggressive power of the two. Yet it is uncertain how far the sphere of Irānian knowledge and authority in India may have extended prior to the time of the Achaemenian Empire, at which era our information takes on a more definite form. At no time, however, does the realm of Persian activity in this direction appear to have extended much beyond the limit of the Indus.

As already intimated, the Avesta is in general the oldest source showing Persia's interest in India, although the greatest uncertainty still prevails among specialists in regard to assigning any precise date or dates. The present writer shares the opinion of those scholars who believe that, however late may be some of its portions, the Avesta in the main is pre-Achaemenian in content; in other words, even though it is possible to recognise Achaemenian, Parthian, and, perhaps, Sassanian elements in the collection, the general tenor of the work and the material on which it is based represent a period antedating the fifth century B.C., or the era when the Persian Empire reached its height[1]. For that reason (and with due emphasis on the broad latitude that is to be allowed in the matter of dates) it is appropriate to cite the Avestan

Brunnhofer, *Urgeschichte der Arier*, 3 vols, Leipzig, 1893, to identify every remote Vedic term that had a possible geographical content as an Irānian allusion are bizarre in the extreme, even though there are grains of truth in the author's views when he touches more conservatively on the domain bordering between India and Irān. The writer of the present chapter sympathises strongly with certain of the pleas made by the Vedic scholars Ludwig, Hillebrandt, and Weber to recognise Persian allusions in the Rigveda; the titles of the special articles on the subject by these scholars are duly cited by Macdonell and Keith in the pages of their *Vedic Index*, referred to above. It seems, for example, that some Avestan student may yet make more use than has been done of the material collected by E. W. Hopkins, *Prāgāthikāni*, I, in *J.A.O.S.* 1896, XVII, 84–92.

[1] For a convenient presentation of the various views regarding the date of Zoroaster and the age of the Avestan Gāthās, as well as concerning the relative antiquity of other portions of the sacred canon, see J. H. Moulton, *Early Zoroastrianism*, London, 1913. Dr Moulton summarises his opinion as follows, on p. VIII: 'The traditional date [of Zoroaster] (660–583 B.C.) is a minimum, but there are strong reasons for placing Zarathushtra and his Gathas some generations earlier still. The Yashts may be placed in the later Achaemenian age, and the prose Avesta, in particular the ritual of the Vendidad, probably after Alexander.' He elaborates this view further on pp. 8–22, 78, 87, 103, 198, 204, 240. It is important throughout to bear in mind the fact that the *material* may sometimes be very old even though the *form* is late, and that different chapters as well as sections of the Yashts, Vendīdād, and Yasna may vary considerably in age.

references to India, or the region of the Indian frontier, directly after the possible allusions to Persia in the Veda already given.

The name for India in the Avesta is Hindu, which, like the Old Persian Hi(n)du, is derived from the river Indus, Sanskrit Sindhu,—the designation of the stream being transferred to the territory adjacent to it and to its tributaries. The first chapter of the Avestan Vendīdād (whatever may be the age of the chapter) contains an allusion to a portion of Northern India in a list which it gives of sixteen lands or regions, created by Ahura Mazda and apparently regarded as under Irānian sway[1]. The fifteenth of these domains, according to Vd. I, 18, was Hapta Hindu, 'Seven Rivers,' a region of 'abnormal heat,' probably identical with the territory of Sapta Sindhavas, 'Seven Rivers,' in the Veda (see especially Rv. VIII, 24, 27)[2]. The district in question, which was more comprehensive than the modern Punjab, or 'Five Rivers,' must have included the lands watered in the north and north-west of Hindustān by the river Indus and its affluents—answering, apparently, to the Vedic Vitastā (now Jhelum), Asiknī (Chenāb), Parushṇī (later named Irāvatī, whence its present designation Rāvi), Vipāç (Beās), and Çutudrī (Sutlej), the latter being the easternmost stream[3].

In connexion with this Avestan passage (Vd. I, 18), moreover, in its bearing on Persian domains in Northern India, it is worth while to call attention to the Pahlavi gloss of the Middle Persian rendering of the paragraph in Sassanian times. Whatever may be the full import of this difficult gloss, the passage may be literally translated as follows: 'The Seven Hindukān; the expression "Seven Hindukān" is due to this fact, that the over-lordship (*sar-xūtāī*) is seven; and therefore I do not say "Seven Rivers," for that is manifest from the Avesta [passage] "From the Eastern

[1] One might be inclined (as the writer has been led, especially through a study of the Pahlavi commentary and other Sassanian sources) to regard Vd. I, though late in form, as containing older material that might antedate in substance the division which Darius made of his empire into twenty satrapies; but Darmesteter warns against the attempts that have been made to discover much antique history in the chapter. His rather strong statement (*Vendidad Translated*, 2nd ed., *S.B.E.* IV, 1) is: 'We have here nothing more than a geographical description of Iran, seen from the religious point of view.'

[2] See Bartholomae, *Altiranisches Wörterbuch*, col. 1814; Macdonell and Keith, *Vedic Index*, II, 424; Hopkins, *J.A.O.S.* XVI, 278; XVII, 86–88.

[3] Cf. Spiegel, *Die arische Periode*, pp. 112–118; Macdonell, *History of Sanskrit Literature*, p. 140; see also above, p. 321, n. 2 (on the question of Sarasvatī = Harahvaiti).

Indus (or, India) to the Western Indus (India)"[1]. In partial support of the scholiast's interpretation as 'the over-lordship is seven', it has been further pointed out that a tradition as to the dominions involved may have lingered down to Firdausī's time, inasmuch as he mentions in one passage seven princes of India, namely the lords of Kābul, Sindh, Hindh, Sandal, Chandal, Kashmīr, and Multān; but too much stress need not be laid on the point[2].

The Avestan fragment above cited from the gloss to Vd. I, 18—'from the Eastern Indus (India) to the Western Indus (India)'—is best interpreted as alluding to the extreme ends of the Irānian world; for Spiegel has clearly shown by sufficient references that, at least in Sassanian times and doubtless earlier, there prevailed an idea of an India in the west as well as an India in the east[3]. This is borne out by a passage in Yasht X, 104, in which the divine power of Mithra, the personification of the sun, light, and truth, is extolled as destroying his adversaries in every quarter. The passage (Yt. X, 104), which is metrical and therefore relatively old, runs thus: 'The long arms of Mithra seize upon those who deceive Mithra; even when in Eastern India he catches him, even when in Western [India] he smites him down; even when he is at the mouth of the Ranhā (river), [and] even when he is in the middle of the earth[4].' The same statement is repeated in part in Yasna LVII, 29, regarding the power of Sraosha, the guardian genius of mankind, as extending over the wide domain from India on the east to the extreme west: 'even when in Eastern India he catches [his adversary], even when in Western [India] he smites him down.'

There is still another Avestan allusion which may possibly be interpreted as referring in a general way to Indian connexions; it

[1] For the Pahlavi text of the passage, and especially the variant readings, see the edition by D. D. P. Sanjana, *The Pahlavi Vendidād*, p. 9, Bombay, 1895; and the earlier edition by F. Spiegel, *Avesta sammt der Huzvāresch-Übersetzung*, vol. I, pt 2, p. 7, Leipzig, 1851.

[2] The passage, Firdausī, *Shāhnāmah*, ed. Macan, p. 1579, was pointed out by W. Geiger, *Die pehleviversion des ersten Capitels des Vendidād* (1887), p. 62, and likewise by Spiegel, *Die arische Periode*, p. 117.

[3] Spiegel, *op. cit.* p. 118. Compare also the remarks made below, p. 340, n. 3, on Esther, I, 1.

[4] The Av. word *niγne*, here translated 'smites down,' is best so taken as a verbal form; so also by Bartholomae, *Air. Wb.* coll. 492, 1814, followed by F. Wolff, *Avesta übersetzt*, pp. 79, 214. J. Darmesteter, *Le Zend-Avesta*, I, 366, also n. 52 (and cf. II, 469) has 'il abat à la rivière du Couchant.' Others have taken *niγne* as a loc. sg.; thus F. Justi, *Handbuch der Zendsprache* (1864), p. 171, renders 'im westlichen Niniveh'; F. Spiegel, *Die ar. Per.* p. 119, 'im westlichen Nighna' (i.e. the Nile). Opposed to the explanation as a proper name is C. de Harlez, *Avesta traduit* (1881), p. 461, who gives 'dans les profondeurs de l'occident,' with a footnote 'dans l'enfoncement nocturne'; cf. also *ibid.* p. 877, n. 4.

is the mention, in Yt. VIII, 32, of a mountain called Us-Hindava, which stands in the midst of the partly mythical sea Vouru-kasha and is the gathering place of fog and clouds. The name Us-Hindava means 'Beyond (or, Above) India,' according to one way of translating; but another rendering makes it simply 'the mountain from which the rivers rise.' Owing to this uncertainty, and to a general vagueness in three passages in which the mountain is referred to as Usind and Usindam in the Pahlavi, or Middle Persian, texts of Sassanian times (Būndahishn, XII, 6; XIII, 5; Zātsparam, XXII, 3), it seems wiser for the present to postpone an attempt to decide whether the allusion is to the Hindu Kush or possibly the Himālaya, or even some other range[1].

Precisely as was noted above (p. 321), in considering the Vedic material as sources for the historian's review of the distant past, there are likewise a number of Avestan names of places located south of the Hindu Kush in the territory that once at least was common in part to the Indians and the Irānians and has had, as a natural borderland, an important influence upon India's history in later ages. A portion of these domains corresponds to a considerable section of Afghānistān and possibly to a part of Baluchistān, realms now under direct British influence or included politically as a part of the Indian Empire. One of the proofs of this community of interest is the fact that the territory of Arachosia (Av. Harahvaitī, O.P. Hara(h)uvatī), which corresponds to the modern province of Kandahār, was known, at least in later Parthian times, as 'White India' (Ἰνδικὴ Λευκή). This we have on the authority of the geographer Isidor of Charax (first cent. A.D.), who, when mentioning Arachosia as the last in his list of Parthian provinces, adds (*Mans. Parth.* 19), 'the Parthians call it "White India".' As a supplement to this statement, in its historic aspect, may be quoted a pertinent observation made by the French savant

[1] The interpretation as Hindu Kush is given by Geldner, *Grundriss d. iran. Philol.* II, 88; the rendering of Bartholomae, *Air. Wb.* col. 409, is 'jenseits von Indien gelegen'; Darmesteter, *Le Z.-A.* II, 423, n. 70, remarks: 'Le mot *us-hiñdu* signifie littéralement "d'où se lèvent les rivières." Il est douteux que ce soit une montagne réelle: Us-hiñdu est le représentant de la classe.' For translations of the Pahlavi passages in which Usind, or Usindam, is mentioned, see E. W. West, *S.B.E.* v, 35, 42; XLVII, 160 (and cf. v, 67, n. 3). It may be noted incidentally that an attempt has been made to connect the meteorological phenomena described in the myth of the Tishtar Yasht (Yt. VIII), in which this allusion occurs, with the breaking of the monsoon. See the articles by Mrs E. W. Maunder, *The Zoroastrian Star-Champions*, in *The Observatory*, Nov. and Dec. 1912, March 1913; and the similar view by Mr E. W. Maunder, of the Royal Observatory, Greenwich, quoted by Moulton, *Early Zoroastrianism*, pp. 25, 26, n. 2, 436-7.

mes Darmesteter in touching upon the realms of Kābul and istān. He regards the language of Vd. I as indicating that indu civilization prevailed in those parts, which in fact in the ɔ centuries before and after Christ were known as White lia, and remained more Indian than Iranian till the Musulman ıquest[1].'

All of the realms concerned in the next Avestan references to cited have their historical and political bearing, important for › statesman as well as for the historian of India; and they can be ntified with the provinces under the imperial sway of Darius I of rsia, as mentioned in his cuneiform inscriptions. The dominions › equally included in the account of the ancient Persian satrapies en by Herodotus and are comprised in the geographical descrip-ns of Irān by his successors. For that reason, in the following ımeration, the Old Persian, Greek, and modern designations are 'orded in every case together with the Avestan.

To confine attention first to the land that is now Afghānistān, it y be noted that the Hindu Kush range may possibly be referred n the Avestan allusion to Us-Hindava, mentioned above (p. 326). is likewise possible to conjecture that the ridge of Band-i-Baiān, newhat to the west, may perpetuate the old Avestan name yana in the list of mountain names enumerated in the Nine-nth Yasht (Yt. XIX, 3); while the chain familiarly known from › classics as Paropanisus or Paropamisus appears to be included ler the Avestan designation Upāirisaēna, lit. 'Higher than the ;le'[2]. To the north of these barriers lay Bactria (Av. Bākhdhī,). Bākhtrī, Gk. Βάκτροι, Βακτριανή, Mod. Balkh), a centre which s destined to play an important part in India's history[3].

Herāt, on the west, including the district watered by the Hari d, was known in the Avesta as Harōiva (O.P. Haraiva, Gk. Ἀρεία). bul, to the east and nearer the present Indian frontier, appears Vaēkereta (answering to the western part of O.P. Ga(n)dāra,

[1] Darmesteter, *S.B.E.* (2nd ed.), IV, 2; and cf. *Le Z.-A.* II, 13, n. 32, where he bases statement about the character of the civilisation on Mas'ūdī, *Les Prairies d'or*, and tr. Barbier de Meynard, II, 79–82, Paris, 1863.

[2] Cf. El. Bab. *Paruparesanna*, substituted for O.P. *Ga(n)dāra* in these versions he Bahistān Inscription, l. 16 (6). It is quite possible to see in Av. *iškata* and *ruta*, Yt. X, 14 (cf. Yt. XIX, 3; Ys. X, 11), the names of two mountain branches he Hindu Kush and Paropanisus; so, among other scholars, Sarre and Herzfeld, *iische Felsreliefs, Text*, p. 31; somewhat differently Bartholomae, *Air. Wb.* coll. , 900.

[3] For references to the passages in which the ancient Irānian names of the pro-ıes occur, consult Bartholomae, *Air. Wb.*, under each of the separate Avestan or Persian names involved.

Gk. Γανδαρῖτις, or El. Paruparesanna, and possibly in part to O.P. Thatagu, Gk. Σατταγύδαι[1]). The region corresponding to the modern province of Kandahār, as already stated, is represented by Av. Harahvaitī (O.P. Hara(h)uvatī, Gk. Ἀραχωσία). In the territory to the south-west, the river Helmand and the lagoon districts of Seistān around the Hāmūn Lake (which the natives call Zirrah, i.e. Av. *Zrayah*, 'sea') are respectively known in the Avesta as the Haētumant and as Zrayah Kāsaoya (cf. O.P. Zra(n)ka or Zara(n)ka, Gk. Ζαράγγοι, Σαράγγοι, or Δραγγιανή); while the river systems that empty into this lagoon depression from the north are mentioned in Yasht XIX, 67, by names that can be identified exactly with their modern designations in almost every case[2]. It is worth noting that the majority of these particular allusions are found in the Nineteenth Yasht, which is devoted to the praise of the 'Kingly Glory' of the ancient line of the Kayanians, heroes who are known to fame also through Firdausī's epic poem, the Shāhnāmah, and from whom some of the families in the regions named still claim to be descended.

With regard to Avestan place names that may be localised in parts of Baluchistān there is more uncertainty. It is thought by some, for example, but denied by others, that Av. Urvā (Vd. I, 10) may thus be a locality near the Indian border[3]. It might also be possible to suggest that the Avestan name Peshana (Yt. V, 109) may still survive in the Baluchī town Pishīn, near Quetta, but it would be difficult to prove this.

The quotations above given from Avestan sources serve at least to show the interest or share which Persia had traditionally in Northern India and the adjoining realms at a period prior to Achaemenian times, provided we accept the view, already stated (p. 323), that the Avesta represents in the main a spirit and condition that is pre-Achaemenian, however late certain portions of the work may be[4].

[1] The position of the Sattagydai is not quite certain; according to Sarre and Herzfeld, *Iranische Felsreliefs, Text*, pp. 27, 256, they are to be located in Ghazni and Ghilzai; but Dames, *Afghānistān*, in *Encyclop. of Islam*, I, 158, places them in the Hazāra country further to the north-west. Other authorities differ; e.g. J. Marquart, *Untersuch. z. Gesch von Eran*, II, 175.

[2] See M. A. Stein, *Afghānistān in Avestic Geography*, in *The Academy*, May 16, 1885, pp. 348–349 (also in *Indian Antiquary*, XV, 21–23). Consult also Geiger, *Grundr. d. iran. Philol.* II, 388, 392–4. On the possibility of locating the tribal name Av. *Sāma*, cf. Gk. Θαμαναῖοι in Afghānistān, compare Sarre and Herzfeld, *op. cit.* p. 27; Marquart, *Unters. z. Gesch. v. Eran*, II, 144, 176.

[3] For references see Bartholomae, *Air. Wb.* col. 404.

[4] Lack of space prevents including here certain supplementary allusions to India in early times as found in the Pahlavi literature of the Sassanian era and in such later sources as Firdausī's *Shāhnāmah*; but they will appear in the *Festschrift Windisch*.

Prior to the seventh century B.C., and for numerous ages afterwards, there is further proof of relations between Persia and India through the facts of trade in antiquity, especially through the early commerce between India and Babylon, which, it is believed, was largely via the Persian Gulf[1]. Persia's share in this development, although hard to determine, must have been significant even in days before the Achaemenian Empire. Beginning with the sixth century B.C., however, we enter upon the more solid ground of recorded political history. From unquestioned sources in the classics we know that the Medo-Persian kingdom, which was paramount in Western Asia during that century, was brought into more or less direct contact with India through the campaigns carried on in the east of Irān by Cyrus the Great at some time between 558 and 530 B.C., the limits of his reign. The difficulty, however, of determining exactly when this campaigning occurred and just how the domains between the rivers Indus and Jaxartes came under the control or sphere of influence of the Persian Empire is a problem accounted among the hardest in Irānian history[2].

In the following paragraphs of discussion, which may be considered as a critical digression, statements or inferences from Herodotus, Ctesias, and Xenophon, with other evidence, have to be compared with those of Strabo and with the seemingly more conservative views of Arrian, in interpreting the question of the possible or probable control of the Indian borderland touching upon Irān.

In the first place, Herodotus says (I, 177) that 'Cyrus in person subjugated the upper regions of Asia[3], conquering every nation without passing one by'; but this statement is so broadly comprehensive that it is difficult to particularise regarding North-western India except through indirect corroborative evidence. In fact, most of the allusions by Herodotus to India refer to the times of Darius and Xerxes. It is certain, however, that Cyrus, by his own, personally conducted campaigns in the east, brought the major part of Eastern Irān, especially the realms of Bactria, under his sway[4].

[1] See J. Kennedy, *The Early Commerce of India with Babylon*, 700–300 B.C., in *J.R.A.S.* 1898, pp. 241–288; and cf. V. A. Smith, *Early History of India*, 3rd ed., p. 28, n., Oxford, 1914; likewise W. H. Schoff, *J.A.O.S.* XXXIII, 352; Rhys Davids, *Buddhist India*, p. 104.

[2] See Prášek, *Geschichte der Meder und Perser*, I, 224; and compare How and Wells, *Commentary on Herodotus*, I, 177 (vol. I, 135), Oxford, 1912.

[3] I.e. the regions in the east, more distant from Greece and contrasted with those subdued by Cyrus in Asia Minor through his general Harpagus.

[4] For the Bactrian and Çaka conquests, see Herodotus, I, 153 compared with I, 177; and consult Ctesias, *Persica*, fragms. 33–34 (ed. Gilmore, pp. 127–129). For certain problems raised by the question of the Çakas, see F. W. Thomas, *J.R.A.S.* 1906, pp. 181–216, 460–464.

His conquests included the districts of Drangiāna, Sattagydia, and Gandaritis, verging upon the Indian borderland, though we may omit for the moment the question of the extent of Cyrus's suzerainty over the Indian frontier itself.

In the same connexion may be mentioned the fact that Ctesias, especially in the tenth book of his lost *Persica*, if we may judge from quotations in later authors regarding the nations involved, appears to have given an account of the campaigns by Cyrus in this region[1]. The stories, moreover, regarding the death of Cyrus differ considerably[2]; but the account recorded by Ctesias (fragm. 37, ed. Gilmore), which reflects local Persian tradition, narrates that Cyrus died in consequence of a wound inflicted in battle by 'an Indian,' in an engagement when 'the Indians were fighting on the side of the Derbikes and supplied them with elephants.' The Derbikes might therefore be supposed to have been located somewhere near the Indian frontier, but the subject is still open to debate[3].

Xenophon, in his romance of the life of Cyrus, entitled Cyropaedia (I, 1, 4), declares that Cyrus 'brought under his rule Bactrians and Indians,' as forming a part of his wide-spread empire. In the same work (VIII, 6, 20–21) he furthermore says that Cyrus, after reducing Babylon, 'started on the campaign in which he is reported to have brought into subjection all the nations from Syria to the Erythraean Sea' (i.e. the Indian Ocean); and for that reason he repeats that 'the Erythraean Sea bounded the empire of Cyrus on the east[4].' This reference, though indefinite, certainly contains a direct allusion to control over the regions bordering on the Indian Ocean; but it would be unwarranted to interpret it as indicating any sovereignty over the mouth of the Indus, such as could be claimed in regard to the Persian sea-route to India in the time of Darius and his successors.

In a general way, however, as possibly supporting the idea of some sort of suzerainty over Northern India by Cyrus, we may note the fact that Xenophon (*Cyrop.* VI, 2, 1–11) introduces an account

[1] See the passages in Gilmore's edition of the *Persica*, pp. 133–135; also G. Rawlinson, *Five Great Monarchies*, IV, 371, n. 22; but cf. Marquart, *Unters. z. Gesch. v. Eran*, II, 139.

[2] Consult G. Rawlinson, *op. cit.* IV, 378–380; E. Katz, *Cyrus des Perserkönigs Abstammung, Kriege, und Tod*, Klagenfurt, 1895; Prášek, *Gesch. der Meder und Perser*, I, 236, n. 1.

[3] The notices of classical authors regarding this widely distributed people are collected by Tomaschek, art. *Derbikes*, in Pauly-Wissowa, *Real-Encyclopädie*, V, 237–238, Stuttgart, 1905.

[4] In regard to the term 'Erythraean Sea' as a designation for the Indian Ocean, see W. H. Schoff, *J.A.O.S.* XXXIII, 349–362.

of an embassy sent to Cyrus by an Indian king. This embassy conveyed a sum of money for which the Persian king had asked, and ultimately served him in a delicate matter of espionage before the war against Croesus and the campaigns in Asia Minor. It may be acknowledged that the value of this particular allusion is slight, and that the Cyropaedia is a source of minor importance in this particular regard; but yet it is worth citing as showing, through Xenophon, a common acceptance of the idea that Cyrus was in a position to expect to receive direct consideration, if not vassalage, from the overlord of Northern India.

Descending to the Hellenistic age, when the Greeks began to have knowledge of India at first hand, we find that two of the principal authorities, Nearchus, who was Alexander's admiral, and Megasthenes, the ambassador of Seleucus I at the court of Chandragupta, are at variance regarding an attempted conquest of India by Cyrus.

The account of Nearchus, as preserved by Arrian (*Anab.* VI, 24, 2–3), links the names of Cyrus and of Semiramis, the far-famed Assyrian Queen, and states that Alexander, when planning his march through Gedrosia (Baluchistān), was told by the inhabitants 'that no one had ever before escaped with an army by this route, excepting Semiramis on her flight from India. And she, they said, escaped with only twenty of her army, and Cyrus, the son of Cambyses, in his turn with only seven. For Cyrus also came into these parts with the purpose of invading India, but was prevented through losing the greater part of his army, owing to the desolate and impracticable character of the route[1].'

Megasthenes, on the other hand, as quoted by Strabo (*Geogr.* XV, 1, 6, pp. 686–687 Cas.), declares that 'the Indians had never engaged in foreign warfare, nor had they ever been invaded and conquered by a foreign power, except by Hercules and Dionysus and lately by the Macedonians.' After mentioning several famous conquerors who did not attack India, he continues: 'Semiramis, however, died before [carrying out] her undertaking; and the Persians, although they got mercenary troops from India, namely the Hydrakes[2], did not make an expedition into that country, but merely approached it when Cyrus was marching against the Massagetae.'

We may also take Megasthenes to be the authority for the statement of Arrian (*Indica*, IX, 10; and cf. V, 4–7) that, according to the Indians, no one before Alexander, with the exception of

[1] Strabo, *Geogr.* XV, 1, 5, p. 686 Cas. (and cf. XV, 2, 5, p. 722 Cas.), likewise quotes Nearchus, but merely to the effect that Cyrus escaped with seven men.

[2] I.e. the Oxydrakai or Kshudrakas in the Panjab; see Chapter XV, p. 375.

Dionysus and Hercules, had invaded their country, 'not even Cyrus, the son of Cambyses, although he marched against the Scythians and showed himself in other respects the most enterprising of Asiatic monarchs[1].'

It appears, therefore, that both Nearchus and Megasthenes deny, the former by implication and the latter expressly, that Cyrus ever reached India, although Nearchus regards him as having made an unsuccessful campaign in Baluchistān. We must not, however, overlook the fact that Strabo and Arrian, our proximate sources, consider the river Indus to be the western boundary of India proper; and the foregoing accounts consequently leave open the possibility that Cyrus made conquests in the borderland west of the Indus itself. Indeed, Arrian elsewhere (*Indica*, I, 1–3) expressly states that the Indians between the river Indus and the river Cophēn, or Kābul, 'were in ancient times subject to the Assyrians, afterwards to the Medes, and finally submitted to the Persians and paid to Cyrus, the son of Cambyses, the tribute that he imposed on them.'

In regard to the supposed campaign of Cyrus in Baluchistān, we may note that Arrian (*Anab.* III, 27, 4–5) mentions the story, recorded elsewhere in connexion with Alexander's exploits, that Cyrus had received substantial help from the Ariaspian people (a tribe dwelling in a region that corresponds to the modern Seistān) when he was waging war in these territories against the Scythians[2]. This folk received from him in consequence the honorific title *Euergetae*, 'Benefactors,' a term answering to the Persian designation *Orosangae* mentioned by Herodotus (VIII, 85)[3].

One further point may be cited from a classical source. Pliny, *Hist. Nat.* VI, 23 (25), credits Cyrus with having destroyed a city called Capisa in Capisene, a place supposed to be represented by Kafshān (Kaoshān, Kushān) in the modern Ghorband valley district, somewhat north of Kābul, and in any case it could not have been far from the Indian frontier[4].

[1] Cf. also Justin, *Historiae Philippicae*, I, 2, 9, who says that no one invaded India except Semiramis and Alexander.

[2] Arrian, *Anab.* III, 27, 4–5; Strabo, *Geogr.* XV, 2, 10, p. 724 Cas.; Diodorus Siculus, *Bibl. Hist.* XVII, 81, 1; Quintus Curtius, *Hist. Alex.* VII, 3, 1–3. For a special consideration of this subject, see F. W. Thomas, *Sakastana*, in *J.R.A.S.* 1906, pp. 181–216, 460–464.

[3] For the interpretation of this word as 'active in spirit,' cf. Thomas, *op. cit.* p. 196.

[4] See Thomas, *J.R.A.S.* 1906, pp. 191, n. 1, 460–461, and the works there cited, especially E. J. Rapson, *J.R.A.S.* 1905, pp. 783–784; J. Marquart, *Ērānšahr*, pp. 280–281; and cf. idem, *Unters. z. Gesch. v. Eran*, II, 180, Leipzig, 1905. Capisa is the Kia-pi-shi of Hiuen Tsiang and the Ki-pin of other Chinese texts. The name is found in

To sum up, we may say that, even if there are just grounds for doubting that Cyrus actually invaded Northern India, there can be no question that he did campaign in the territories corresponding to the present Afghānistān and Baluchistān. It seems likely that Alexander's historians may have been inclined to minimise the accomplishments of Cyrus the Great, especially in the light of his apparent set-back in Gedrosia[1], in order to bring into greater prominence the achievements of the famous Greek invader.

The view above stated, to the effect that Cyrus advanced at least as far as the borders of the Indus region, will be better understood from the ensuing paragraphs, in which the holdings of his successors and their control of regions integral to the Indian Empire of to-day are shown. The main point of this opinion is likewise in agreement with such an authority on the subject as Eduard Meyer, who expressly says: 'Cyrus appears to have subjugated the Indian tribes of the Paropanisus (Hindu Kush) and in the Kābul valley, especially the Gandarians; Darius himself advanced as far as the Indus[2].'

Cambyses, whose activities were almost wholly engaged in the conquest of Egypt, could hardly have extended the Persian dominions in the direction of India, even though he may have been occupied at the beginning of his reign in maintaining suzerainty over the extensive realm inherited from his father. Xenophon, or his continuator (*Cyrop.* VIII, 8, 2), speaks of almost immediate uprisings by subject nations after the death of Cyrus, and these revolutions may have caused the postponement of the Egyptian expedition of Cambyses until the fifth year of his reign, 526–525 B.C.; but it would be hazardous to suggest any direct connexion of India with these presumable campaigns. Herodotus makes two very broad statements; one (III, 88, cf. I, 177) to the effect that, when Darius became king, after the death of Cambyses and the assassination of the false Smerdis, 'all the peoples of Asia, with the exception of the Arabians [who were already allied as friends], were subject to him, inasmuch as they had been subdued

the first element of the compound O.P. Kāpiša-kāni, the name of a stronghold mentioned in the inscriptions of Darius (Bh. 3, 61). Marquart (*Unters.* II, 180), with others, inclines to regard the two places as identical, although objections may be raised that Kāpiša-kāni was located in Arachosia (the El. version, 3, 37, 25 expressly adding 'in Arachosia'). Still much depends on determining the extent of the confines of Arachosia in the time of Darius.

[1] Cf. the passages of Arrian and Strabo cited above, p. 331, and n. 1.

[2] Ed. Meyer, *Geschichte des Altertums*, III, 97, with note. See also Max Kiessling, *Zur Geschichte der ersten Regierungsjahre des Darius Hystaspis*, in *Quellen u. Forsch. z. alt. Gesch. u. Geogr.* p. 28, hrsg. W. Sieglin, Heft 2, Leipzig, 1900–1901.

by Cyrus and afterwards by Cambyses in his turn.' Again he says (III, 67), with reference to the death of the usurper Smerdis, that 'all the peoples of Asia felt regret, except the Persians themselves.' Although it would be a forced interpretation of these passages to construe them as including India proper among the subject nations of the Persian Empire[1], it seems clear, nevertheless, that Darius, when he assumed the sovereignty in 522 B.C., had, as an Achaemenian, an authentic claim to the realms immediately bordering upon India, if not to that land itself.

For the reign of Darius (522–486 B.C.) we have documentary evidence of the highest value in the inscriptions executed by that monarch's command and containing his own statements. From these inscriptions, especially when they are compared one with another, we can trace the general outline of the Persian dominion in Northern and North-western India in the time of Darius, and we can even infer that he annexed the valley of the Indus early in his reign, a conclusion which is confirmed by the testimony of various passages in Herodotus. The three records in stone which require special consideration in this connexion are the following[2]:

1. The famous Bahistān Rock Inscription (1, 16–17; 2, 7–8; 3, 54–76), which is presumably to be assigned to a period between the years 520 and 518 B.C., with the exception of the fifth column, which was added later.

2. The second of the two Old Persian block tablets sunk in the wall of the Platform at Persepolis (Dar. Pers. e. 15–18). It was probably carved between 518 and 515 B.C.

3. The upper of the two inscriptions chiselled around the Tomb of Darius in the cliff at Naksh-i-Rustam (NR. a. 23–26), which must have been incised some time after 515 B.C.[3]

[1] Equally doubtful would be the attempt to connect the name of Cambyses (O. P. Ka(m)būjiya) with the frontier people of Kamboja, though consult the references given by A. Hoffmann-Kutschke, *Die altpersischen Keilinschriften*, p. 21, Stuttgart, 1909; and idem, *Indogermanisches*, in *Recueil de Travaux égypt. et assyr.* 31, 66.

[2] A mutilated clay tablet, Dar. Sus. e, exhibits the remains of a list of provinces, which seems, however, to have been the same as that which is found in NR. a.

[3] The dates assigned to these three inscriptions by different scholars vary somewhat, especially in regard to the record on the Bahistān Rock, although they are included approximately within the limits given. In respect to dating the Bahistān edict, much depends upon the interpretation of the O.P. phrase *hamahyāyā(h) tharda(h)*; for if, following Weissbach, we take it to mean 'in one and the same year,' all the events chronicled must have taken place within about a year after Darius succeeded to the throne, whereas otherwise they may be regarded as extending over two or three or even more years. See F. H. Weissbach, *Zur neubabylon. u. achämenid. Chronologie*, in *Z.D.M.G.* LXII, 640–641; idem, *Keilinschr. d. Achämeniden*, pp. lxix–lxxiii, Leipzig, 1911; idem, *Zum bab. Kalender*, in *Hilprecht Anniversary Volume*, pp. 285–290 (with

The Bahistān Inscription itself (1, 13–17) does not include India in the list of the twenty-three provinces which 'came to Darius,' as the Old Persian text says, or 'obeyed him,' as the Babylonian version expresses it[1]. The inference to be drawn, therefore, is that the Indus region did not form a part of the empire of Darius at the time when the great rock record was made, though it was incorporated shortly afterwards, as is shown by the two other inscriptions in question. Both of these latter (Dar. Pers. e. 17–18, and NR. a. 25) expressly mention *Hi(n)du*, that is, the Punjab territory, as a part of the realm. The Northern Indian domain must therefore have been annexed sometime between the promulgation of the Bahistān edict and the completion of the two records just cited. The present tendency of scholarly opinion is to assign the Indus conquest to about the year 518 B.C.[2]

In addition to the evidence of the inscriptions, the fact that a portion of Northern India was incorporated into the Achaemenian Empire under Darius is further attested by the witness of Herodotus, who, in giving a list of the twenty satrapies or governments that Darius established, expressly states that the Indian realm was the 'twentieth division' (Hdt. III, 94, cf. III, 89). Some inference regarding its wealth and extent may furthermore be gathered from the tribute which it paid into the Persian treasury. Herodotus is our authority on this point, when he explicitly narrates (III, 94): 'The population of the Indians is by far the greatest of all the people that we know; and they paid a tribute proportionately larger than all the rest—[the sum of] three hundred and sixty talents of gold dust.' This immense tribute was equivalent to over a million pounds sterling, and the levy formed about one-third of the total amount imposed upon the Asiatic provinces[3]. All this implies the richness of Persia's acquisition in annexing the northern territory of Hindustān[4]; and it may also be brought into

Table), Leipzig, 1909; refer also to King and Thompson, *Inscr. Behistūn*, pp. xli–xliii; Prášek, *Gesch. d. Med. u. Pers.* II, 37–38; Sarre and Herzfeld, *Iranische Felsreliefs*, pp. 17–33, 106–107; cf. also Justi, *Grundr. d. iran. Philol.* II, 430.

[1] Cf. Weissbach, *Die Keilinschriften der Achämeniden*, p. 11, n. 6a.

[2] See Sarre and Herzfeld, *Iranische Felsreliefs*, pp. 106–107 (with references); Max Kiessling, *Zur Geschichte ..des Darius*, pp. 56, 57, 60; Prášek, *Gesch. d. Meder u. Perser*, II, 37, n. 5.

[3] See V. A. Smith, *Early History of India*, 3rd ed., pp. 37–38, n. 1; and cf. also F. H. Weissbach, *Zu Herodots persischer Steuerliste*, in *Philologus*, 71 (N. F. 25), 479–490; idem, *Keilinschr. d. Achämeniden*, pp. lxxiv–lxxv.

[4] V. A. Smith, *op. cit.* p. 38, is of the opinion of those who hold that, owing to the changes in the courses of the rivers since ancient times, 'vast tracts in Sind and the Panjāb, now desolate, were then rich and prosperous.'

connexion with the curious story of the gold-digging ants in this region, which Herodotus tells directly afterwards (III, 102–105).

There is likewise another passage in Herodotus (IV, 44) which affords further proof, both of the Persian annexation or control of the valley of the Indus from its upper course to the sea, including therefore the Punjab and Sind, as well as of the possibility at that time of navigating by sea from the Indus to Persia. Sometime about 517 B.C., Darius despatched a naval expedition under Scylax, a native of Caryanda in Caria, to explore the Indus. The squadron embarked at a place in the Gandhāra country, somewhere near the upper course of the Indus, the name of the city being Kaspatyros (Hdt. IV, 44, cf. III, 102) or, more accurately, Kaspapyros (Hecataeus, *Fragm.* 179). The exact location of this place is still a matter of discussion, but the town may have been situated near the lower end of the Cophēn (now Kābul) River before it joins the Indus[1]. The fleet, it is recorded, succeeded in making its way to the Indian Ocean and ultimately reached Egypt, two and one-half years from the time when the voyage began. From the statement of Herodotus (IV, 44) it would appear that this achievement was accomplished prior to the Indian conquest, for he says that 'after (μετά) they had sailed around, Darius conquered the Indians and made use of this sea' [i.e. the Indian Ocean]; but it seems much more likely that Darius must previously have won by force of arms a firm hold over the territory traversed from the headwaters of the Indus to the ocean, in order to have been able to carry out such an expedition[2]. This conclusion appears still more convincing when we consider the difficulties which Alexander encountered in his similar

[1] Sir M. A. Stein suggests Jahāngira, an ancient site on the left bank of the Kābul River, some six miles above the point where it flows into the Indus at Attock (see Stein, *Memoir on the Anc. Geogr. of Kaśmir*, pp. 11–13, Calcutta, 1899, reprinted from *J.A.S. Bengal*, vol. LXVIII, pt. 1, extra No. 2, 1899). Marquart, *Untersuch. z. Gesch. v. Eran*, II, 178–180, 242, and n. 8, 246, n. 3, favours as the location an ancient town known in Sanskrit as Pushkalāvatī. Compare also Prášek, *Gesch. d. Med. u. Perser*, II, 38; and V. A. Smith, *Early Hist. India*, 3rd ed., pp. 37–38, n. 1. Sarre and Herzfeld, *Iran. Felsreliefs*, pp. 26, 253, seem inclined to revive the old idea of associating the name with Kashmīr, cf. H. H. Wilson, *Ariana Antiqua*, pp. 136–137, London, 1841.

[2] The early Greek geographer Hecataeus, who flourished in the reign of Darius, seems to have possessed considerable information regarding the Indus valley, which may have come to him from Scylax himself. Cf. *Fragments* 174–179, in *Fragmenta Historicorum Graecorum*, ed. C. Müller, I, 12, Paris, 1841, especially *Fragm.* 175, where Hecataeus says that a tribe called the Opiai 'dwell by the Indus River, and there there is a royal fort. Thus far the Opiai extend, and beyond there is a desert as far as the Indians.' If 'royal fort' means a fort of the Great King, as is likely, we have evidence here for the presence of a Persian frontier garrison on the Indus.

undertaking of voyaging down the Indus to the sea, two centuries later, even after having first subdued most of the tribes of the Upper Punjab before starting on the voyage[1].

The dominion of Persian authority under Darius, therefore, as is clear from the Greek sources in connexion with the Inscriptions, comprised the realm from the embouchment of the Indus to its uppermost tributaries on the north and west. Regarding the Indians towards the south, we have the express statement of Herodotus (III, 101) to the effect that 'these were never subject to King Darius.' Herodotus also evidently considers the sandy wastes in portions of the present Sind and Rājputāna, to the east of the Indus, as the frontier in that direction; for he says (III, 98) that 'the part of the Indian territory towards the rising sun is sand,' and he adds immediately afterwards that 'the eastern part of India is a desert on account of the sand.' How far eastward the Persian dominion may have extended in the Panjab cannot be exactly determined; but it is significant that Herodotus never refers to the Ganges valley[2], and not one of our sources makes any mention of the famous Indian kingdom of Magadha, which was coming into prominence under the Buddhist rulers Bimbisāra and Ajātaçatru during the reign of Darius and simultaneously with the Persian conquests[3]. On the whole, so far as the extent of the Persian control is concerned, no better summary need be given than the cautious expression of Vincent Smith, when he says: 'Although the exact limits of the Indian satrapy [under Darius] cannot be determined, we know that it was distinct from Arīa (Herāt), Arachosia (Kandahār), and Gandaria (North-western Panjāb). It must have comprised, therefore, the course of the Indus from Kālabāgh to the sea, including the whole of Sind, and perhaps included a considerable portion of the Panjāb east of the Indus[4].'

At this point it may not be out of place to refer briefly to the information that is afforded by the Inscriptions and by Herodotus regarding the sway exercised by Darius over the peoples of the Indian borderland. Of the twenty-three tributary provinces the names of which appear on the Bahistān Rock (Bh. 1, 14–17) and are repeated with some slight variations in the Platform and the Tomb Inscriptions (Dar. Pers. e. 10–18; NR. a. 22–30), three pro-

[1] See Chapter XV, pp. 374 ff.; cf. V. A. Smith, *Early Hist. India*, 3rd ed., pp. 88–104.

[2] He says, for instance (IV, 40) that 'from India onward the country to the east is desert, and no one can tell what it is like.'

[3] On this point see V. A. Smith, *Early Hist. India*, 3rd ed., p. 37.

[4] *Op. cit.*, p. 38.

vinces, namely Bākhtrī (Bactria), Haraiva (Herāt), and Z(a)ra(n)ka (Drangiāna, or a portion of Seistān) as noted above (pp. 327–8), form a part of the present Afghānistān lying more remote from the Indian frontier. The five that are directly connected with the region of the Indus itself are, as partly indicated earlier in the chapter (*ibid.*), Ga(n)dāra (the region of the Kābul valley as far as Peshāwar)[1], Thatagu (either the Ghilzai territory to the south-west of Ghazni or the Hazāra country further to the west and north-west), Hara(h)uvatī (the district about Kandahār in the broadest sense), Saka, and Maka[2]. The term Saka may possibly allude to Sakastāna (Seistān) and the dwellers around the region of the Hāmūn Lake[3]; but the distinction made in the Tomb Inscription of Darius (NR. a. 25–26) between the Sakā Haumavargā, answering to the Amyrgioi Sakai of Herodotus (VII, 64), and the Sakā Tigrakhaudā, 'wearing pointed caps,' an attribute corresponding to the term Orthokorybantioi of Herodotus (III, 92), may indicate a special division of the Çakas, or Scythians, living between the extreme northern sources of the Indus and the headwaters of the Oxus[4]. The district Maka is believed to be identified with Makrān, once occupied by the Mykans of Herodotus (III, 93; VII, 68) and now a part of Baluchistān[5].

Herodotus (III, 91–93) mentions in his list of peoples that were subject to Darius—corresponding in a general way to the satrapies of the empire—four or five more which may be identified as having occupied districts in or near the present Afghānistān, in some cases adjoining the Indian frontier. The Sattagydai and Gandarioi (cf. OP. Thatagu and Ga(n)dāra), for example, have the

[1] For Greek references to Gandāra consult Pauly-Wissowa-Kroll, *Real-Encyclopädie*, VII, 696–701, Stuttgart, 1912.

[2] The slight variations in the lists of the three inscriptions, as regarding these provinces, are as follows: (1) Bh. 1, 16–17, Ga(n)dāra, Saka, Θataguš, Hara(h)uvatiš, Maka; (2) Dar. Pers. e. 17–18, Θataguš, Hara(h)uvatiš, Hi(n)duš, Ga(n)dāra, Sakā, Maka; (3) NR. a. 24–26, Hara(h)uvatiš, Θataguš, Ga(n)dāra, Hi(n)duš, Sakā Haumavargā, Sakā Tigraxaudā.

[3] For such a view see F. W. Thomas, *J.R.A.S.* 1906, pp. 181–216, 460–464; but compare the observations by Sarre and Herzfeld, *Iranische Felsreliefs*, pp. 252–253.

[4] For a general discussion of the Çaka question (with bibliographical references), see Sarre and Herzfeld, *op. cit.* pp. 23–24, 30, 36–40 (with cuts), and 252–253, also maps 1 and 2 at the end of the same volume. Consult likewise Marquart, *Untersuch. z. Gesch. v. Eran*, II, 86, 136, n. 5. It may also be noted that Polyaenus, *Strategemata*, VII, 12, refers to an expedition of Darius against the Çakas, apparently north of the region of Bactria, and mentions Amorges or Omarges (i.e. Haumavarga?) as one of the Çaka kings.

[5] So also Eduard Meyer, *Persia*, in *Encyclop. Brit.*, 11th ed., XXI, 202; and Sarre and Herzfeld, *op. cit.* pp. 28–29; refer likewise to J. J. Modi, *The Country of Mekran, its Past History*, in *East and West*, May, 1904, pp. 1–12, Bombay.

Dadikai and the Aparytai linked with them in the same enumeration. Of these latter tribes, the Dadikai may be identified with the Dards of the Upper Indus valley, somewhere between the Chitrāl district and Kashmīr; and the Aparytai are to be connected with the inhabitants of the mountainous regions of the Hindu Kush, north of Kābul[1]. The Kaspioi, who, according to Herodotus (III, 93, cf. also VII, 67, 86) constituted together with the Sakai the fifteenth division of the empire (and who are to be distinguished from the Kaspioi of the eleventh division (III, 92), by the Caspian Sea), must likewise have been an easterly people, and they are perhaps to be located in the wild tract of Kāfiristān, to the north of the Kābul River[2]. The Thamanaioi, whom Herodotus (III, 93, 117) mentions as forming a part of the fourteenth division of the tributary nations, occupied a section of Afghānistān not easy to define precisely, but presumably in the western or west-central region, as noted above (p. 328, n. 2). The territory of Paktyike in the thirteenth division (Hdt. III, 93; cf. III, 102; IV, 44) and its people, the Paktyes (Hdt. VII, 67), are to be located within the borders of the land now called Afghānistān; but whether the name is to be regarded as a tribal designation of the Afghāns in general, and as surviving in the term Pakhtu or Pashtu applied to their language, is extremely doubtful[3].

Finally, for the sake of completeness, it may be noted that India appears as one of the limits of the Persian Empire under Darius in the apocryphal Greek version of the Book of Ezra known as I Esdras. The passage (III, 1–2) runs as follows: 'Now King Darius made a great feast unto all his subjects, and unto all that were born in his house, and unto all the princes of Media and of Persia, and to all the satraps and captains and governors that were under him, from India unto Ethiopia, in the hundred twenty and seven provinces[4].' Inasmuch, however, as the apologue of the Three Pages, in which this reference is embodied, seems to be subsequent to the age of Alexander, we must regard the passage as merely a general tradition concerning

[1] Cf. Marquart, *Untersuch. z. Gesch. v. Eran*, II, 175; Sarre and Herzfeld, *op. cit.* p. 81.

[2] So Marquart, *op. cit.* II, 140–142; but consult Sarre and Herzfeld, *op. cit.* p. 253. Thomas, *J.R.A.S.* 1906, p. 191, n. 1, suggests reading Κάπισοι (cf. Capisa, p. 332, above) for Κάσπιοι.

[3] Consult Marquart, *op. cit.* II, 171–180; Sarre and Herzfeld, *op. cit.* pp. 26–27; Ed. Meyer, *Persia*, in *Encyclop. Brit.*, 11th ed., XXI, 203; Dames, *Afghānistān*, in *Encyclop. of Islam*, I, 149–150.

[4] Cf. also the paraphrase in Josephus, *Jewish Antiquities*, XI, 3, 2 (33), and the passages from Esther cited below, p. 340, n. 3.

the extent of the Achaemenian Empire without insisting upon the chronological allusion to Darius I[1].

For the reign of Xerxes (486–465 B.C.) the continuance of the Persian domination in Northern India is proved by the presence of an Indian contingent, consisting of both infantry and cavalry, among the troops from subject nations drawn upon by that monarch to augment the vast army of Asiatics which he marshalled to invade Greece. Herodotus (VII, 65) describes the equipment of the Indian infantry as follows: 'The Indians, clad in garments made of cotton, carried bows of cane and arrows of cane, the latter tipped with iron; and thus accoutred the Indians were marshalled under the command of Pharnazathres, son of Artabates.' It is worth remarking, perhaps, that the commander of these forces, as shown by his name, was a Persian. Regarding the Indian cavalry Herodotus (VII, 86) says that they were 'armed with the same equipment as in the case of the infantry, but they brought riding-horses and chariots, the latter being drawn by horses and wild asses[2].'

It may be observed, moreover, that a number of the tribes who inhabited the Indo-Irānian borderland in the time of Darius (see above, pp. 327–8, 338) were represented in the host of Xerxes as well; namely the Bactrians, Sakai, Ar(e)ioi, Gandarioi, Dadikai, Kaspioi, Sarangai, Paktyes, occupying the Afghān region, and the Mykoi of Baluchistān (Hdt. VII, 64–68). On the whole, therefore, we may conclude that the eastern domain of the Persian Empire was much the same in its extent under Xerxes in 480 B.C. as it had been in the reign of his great father[3].

The period following the defeat of the Persian arms under Xerxes by Greece marks the beginning of the decadence of the Achaemenian Empire. For this reason it is easy to understand why there was no forward movement on Persia's part in India, even though the Irānian sway in that territory endured for a century and longer. Among other proofs of this close and continued connexion may be mentioned the fact that Ctesias, who was resident physician at the Persian court about the beginning of the fourth century B.C., could hardly have written his *Indica* without the information he must have received regarding India from

[1] See the note on this passage by S. A. Cook, in *Apocrypha and Pseudepigrapha of the Old Testament*, ed. Charles, I, 29, Oxford, 1913.

[2] As a matter of curiosity it may be noted that Herodotus (VII, 187) says that an immense number of Indian dogs followed the army of Xerxes in his Grecian invasion.

[3] Later Jewish tradition has the same formulaic description for the empire of Xerxes (Ahasuerus) as for that of Darius (cf. p. 339, above); thus in the Book of Esther, I, 1 (cf. also VIII, 9), Xerxes is styled 'Ahasuerus which reigned from India even unto Ethiopia, over an hundred and seven and twenty provinces.'

envoys sent as tribute-bearers to the Great King or from Persian officials who visited India on state business, as well as from his intercourse with travellers and traders of the two countries[1]. If the work of Ctesias on India had been preserved in full, and not merely in the epitome by Photius and in fragmentary citations by other authors, we should be better informed to-day as to Persia's control over Indian territory during the period under consideration[2].

The fact, however, that this domination prevailed even to the end of the Achaemenian sway in 330 B.C. is furthermore proved by the call which Darius III, the last of the dynasty, was able to issue to Indian troops when making his final stand at Arbela to resist the Greek invasion of Persia by Alexander. According to Arrian (*Anab.* III, 8, 3-6), some of the Indian forces were grouped with their neighbours the Bactrians and with the Sogdians under the command of the satrap of Bactria, whereas those who were called 'mountainous Indians' followed the satrap of Arachosia. The Sakai appeared as independent allies under their leader Mauakes. These frontier troops were supplemented by a small force of elephants 'belonging to the Indians who lived this side of the Indus.'

Emphasis may be laid anew on the fact that the sphere of Persian influence in these early times can hardly have reached beyond the realm of the Indus and its affluents. We may assume, accordingly, that when Alexander reached the river Hyphasis, the ancient Vipāç and modern Beās, and was then forced by his own generals and soldiers to start upon his retreat, he had touched the extreme eastern limits of the Persian domain, over which he had triumphed throughout[3]. The interesting articles by Dr D. B. Spooner in the *Jour. R.A.S.* for 1915 (pp. 63-89, 405-455), entitled *The Zoroastrian Period of Indian History*, make the strongest possible plea for a far wider extension of Persian influence upon India in the early historic period. While scholars are fully agreed to allow for the general and far-reaching theory of Persian influence, they have not found themselves prepared to accept many of the hypotheses put forward in Dr Spooner's two articles, as the criticisms which succeeded their publication show[4].

[1] In this connexion compare M'Crindle, *Ancient India as described by Ktesias*, pp. 3-4, London, 1882, noting certain details, for example, in §§ 3-7.

[2] The extant remains of the *Indica* are to be found in *Ctesiae...Fragmenta*, ed. C. Müller, pp. 79-105 (in his edition of Herodotus, Paris, 1844).

[3] For the situation, see Chapter XV, pp. 372-3, and refer to the map.

[4] V. A. Smith, *J.R.A.S.* 1915, pp. 800-802; Keith, *ibid.* 1916, pp. 138-143; Thomas, *ibid.* pp. 362-366; 'Nimrod,' *The Modern Review*, Calcutta, 1916, pp. 372-376, 490-498, 597-600.

With the downfall of the Achaemenian rule before the onslaug of the conqueror from Macedon ends the first chapter in the sto of the relations between India and Persia. It belongs elsewhe to indicate those which existed under the successors of Alexande under the Parthian and Sassanian sovereigns, and down throug Muhammadan times, until, in the eighteenth century, a Persia invader like Nādir Shāh could carry off the Peacock Throne of th Mughals and deck his crown with the Koh-i-Nūr.

Ancient Persian Coins in India

Whatever were the actual limits of Persian power in India, it is certain that within these limits the money of the Persian kings must have been current. At the same time it is not easy to support the general statement by definite facts. Properly authenticated records of finds are virtually unknown. Nor can overmuch reliance be placed on deductions drawn from the occurrence of individual specimens in collections that have been formed in North-western India. Before the construction of the Russian railways in Central Asia the waifs and strays of commerce, like gold and silver coins from Bukhāra and Khorāsān, naturally drifted over the mountain-passes of Afghānistān into the Punjab as the nearest profitable market. Once they had arrived there, however, the dealers into whose hands they came were free to assign to them the *provenance* that seemed most likely to enhance their price, a circumstance that renders it difficult to appraise the value of the scanty evidence available. For reasons that will presently appear, the two precious metals can best be considered separately.

The standard gold coin of Ancient Persia was the daric, which bore upon the obverse a figure of the Great King hastening through his dominions, armed with bow and spear; and upon the reverse an irregular oblong incuse. It weighed about 130 grains (8·42 grammes), and was in all probability first minted by Darius Hystaspes, the monarch who was responsible for adding the valley of the Indus to the empire. From its infancy, therefore, the daric would have ready access to the country beyond the Hindu Kush. At the same time there was an important economic reason which would militate against its extensive circulation in these regions. Gold was abundant there, so abundant that for many centuries its value relatively to silver was extraordinarily low. There are grounds for believing that during the period of

the Persian dominion the ratio was no higher than 1 : 8, as compared with the norm of 1 : 13·3 maintained by the imperial mint. Such darics as made their way thither would thus constitute an artificially inflated currency, and would tend to be exported again on the earliest possible opportunity. There was no temptation to accumulate them, when they could be exchanged elsewhere for silver at so very substantial a profit. The conclusion here suggested is fully borne out by the actual phenomena. Persian gold has never been discovered in any quantity in India; the hoards of 'darics' sometimes said to have been found in the eighteenth century can be shown to have consisted of Gupta coins. Isolated examples have, indeed, been picked up sporadically; the daric reproduced on Pl. I, 1, is from the Cunningham Collection. But it is significant that in no single instance do these bear countermarks or any other indication that could possibly be interpreted as suggestive of a prolonged Indian sojourn.

The corresponding silver coinage consisted of *sigloi* or shekels, twenty of which were equivalent to a daric. They had a maximum weight of 86·45 grains (5·6 grammes), and had the same types as the gold (Pl. I, 2, 3). *Sigloi* are frequently offered for sale by Indian dealers, and it is a reasonable inference that they are fairly often disinterred from the soil of India itself. That is precisely what might be expected from the working of economic law. The relative cheapness of gold would act like a lodestone. Silver coins from the west would flow into the country freely, and would remain in active circulation. At one time confirmation seemed to be provided by the surviving *sigloi*. Many of them—including, it should be added, a very large proportion that are not directly of Indian *provenance*—are distinguished by the presence of peculiar countermarks which were thought to have their closest analogy on the square-shaped pieces of silver that constitute the oldest native coinage of India[1]. The punch-marks on the native Indian coins (Pl. I, 4, 5) appear to have been affixed partly by the local authority of the district in which the money was used, but to a much larger extent by the merchants or money-changers through whose hands it passed. The practice was plainly designed to obviate the necessity for repeated weighing. As this advantage would be as pronounced in the case of the *sigloi* as in the case of the indigenous issues, it would not have been surprising to find that they had been subjected to similar treatment. M. Babelon has,

[1] Rapson, *J.R.A.S.* 1895, pp. 865 ff.

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THE KĀBUL VALLEY AND THE PUNJAB

Ancient Names in Brackets

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MAP 3

THE KĀBUL VALLEY
AND
THE PUNJAB

CHAPTER XV

ALEXANDER THE GREAT

IN the fourth century B.C. there is a sudden rift in the mists which envelop the ancient history of India. The regions disclosed [illegible] he Five Rivers [illegible] s themselves, [illegible] s we see it, is [illegible] rned by their [illegible] and owning the authority [illegible] ng. But this primitive aristocratic type of community is holding its own with difficulty against another type of government, the monarchic. In parts of the country principalities have been formed under despotic rājas, and between the different elements a struggle with varying vicissitudes is going on. The rājas are fighting to extend their authority over the free tribes and the free tribes are fighting to repel the rājas. The rājas are also fighting amongst themselves, and mutual jealousies lead to politic alliances according to the necessities of the moment; we divine in this little world a conflict and shifting of antagonistic groups such as we can follow on a larger scale in the history of Europe. It is into this world that the Western invader plunges in 326 B.C.

About ten miles north-west from where Rāwalpindi now stands stood, in the fourth century B.C., the city of Takshaçilā (Taxila), long eminent among the cities of India as a great seat of learning. In the year 327 it was the capital of a rāja, whose principality lay between the Indus and its tributary the Jhelum (the ancient Vitastā, the Hydaspes of the Greeks)[1]. Like Rāwalpindi to-day,

[1] Although the courses of the great rivers of the Punjab have greatly changed in historical times and are still changing, their names may be traced with certainty from the Age of the Rigveda down to the present day. Those which are chiefly important in the history of Alexander's Indian campaign are:

Ancient Indian.	*Greek and Latin.*	*Modern.*
Sindhu.	Ἰνδός, Indus.	Indus.
Kubhā.	Κωφήν, Cophēn.	Kābul.
Suvāstu.	Σοάστος, Soastus.	Swāt.
Vitastā.	Ὑδάσπης, Hydaspes.	Jhelum.
Asiknī, later Chandrabhāgā.	Ἀκεσίνης, Acesines.	Chenāb.
Parushṇī, later Irāvatī.	Ὑδραώτης, Hydraōtes.	Rāvi.
Vipāç, later Vipāçā.	Ὕφασις, Hyphasis.	Beās.
Çutudrī.	Ζαράδρος, Zaradrus, Hesydrus.	Sutlej.

Takshaçilā guarded the chief gate of India from the north-west; it was the first great Indian city at which merchants who had come down the Kābul Valley and crossed the Indus about Attock arrived, three days' journey beyond the river. Its ruler was the first among the kings of the Punjab to hear any tidings which might come down from the highlands of Afghānistān of events happening behind those tremendous mountain walls. For many generations now the Punjab must have had some knowledge of what went on in the dominions of the King of Kings. For the Persian Empire founded two centuries before by Cyrus had been a huger realm than had ever, so far as we know, existed in the world under the hand of one man, and the power and glory of the man who ruled it, the splendour of Ecbatana and Persepolis, must have been carried by fame over the neighbouring lands.

The rājas of Takshaçilā must therefore have long lent an ear to the rumbling of wars and rebellions which came across the western mountains. They may indeed have known next to nothing of what went on at the further extremities of the Persian Empire; for the same realm which at its utmost extension eastward touched the Indus reached at its other end the Aegean and Black Seas; and the great monarchic Empires of the east are conglomerations too loosely organised for the troubles of one province to be necessarily felt in the more distant ones. The Indian princes may therefore, have been ignorant of the fact that the Persian king at the other end of his realm had come into contact with a singular people settled in a quantity of little republics over the southern part of the Balkan Peninsula, along the coasts of Asia Minor, and in the intermediate islands, the people whom the Persians called collectively Yavanas (Ionians). We do not know whether it even produced any considerable shock on the banks of the Indus, when a century and a half before 334 B.C. the Persian king had led his armies to disaster in the land of the Yavanas, although those armies included Indian tribesmen torn by Persian officers from the frontier hills, whose bones were destined to find their last resting-place on the field of Plataea thousands of miles away. Of the long struggle which went on for generations after that between the Yavana republics, especially the one called Athens, and the western satraps of the Great King perhaps no rumour was brought down the Kābul valley to Takshaçilā.

But in 334 B.C. and the following years the struggle between Persia and the Yavanas took a turn which must have made talk even in the palaces and bazaars of the Punjab. The Indian

princes learnt that a Yavana king had arisen in the utmost West strong enough to drive the Great King from his throne. It may be that the western provinces, Asia Minor and Egypt, were torn away in 334, 333 and 332 B.C. by the invader without yet bringing the Indian princes to realise that so huge a fact in the world as the Persian Empire was about to vanish. But there can have been no mistaking the magnitude of the catastrophe, when Darius III was flying northward for his life, when Alexander had occupied the central seats of government and set Persepolis on fire (330 B.C.). If this man from the West was going to claim the whole heritage of the Achaemenian kings, that would make him the neighbour of the princes of India. It must have been a concern to the rāja of Takshaçilā and his fellow-kings to learn in what direction the victorious Yavana host would move next. And in fact the tidings came before long that it was moving nearer. When the winter of 330 fell, it was encamped in Seistān, and with the spring moved to the uplands which to-day constitute the southern part of Afghānistān. Here the awe-struck inhabitants, Pashtus probably, ancestors of the modern Afghāns, saw the European strangers set about a work which indicated a resolve to make themselves at home for all time in these lands won by their spear. They saw them begin to construct a city after the manner of the Yavanas at a point commanding the roads; and when the rest of the host had gone onward, there a body of Europeans remained, established behind the fresh-built walls. If we may judge by analogies, some thousands of the native people were induced by force or persuasion to settle side by side with them in the new city. It was only one of the chain of cities which marked the track of conquering Hellenism. Like many of the others, this too was given the name of the conqueror. In the speech of the Greeks it was known as Alexandria-among-the-Arachosians. To-day we call it Kandahār.

A mountain barrier still separated the Yavana host at Kandahār in the summer of 329 from the Kābul valley, that is to say, from the river system of the Indus. And it would seem that, when the passes filled with the first winter snows, the Yavanas had not yet crossed it. But the army led by Alexander was one which defied ordinary obstacles. In winter[1], under circumstances that made regular provisioning impossible, by extraordinary endurance[2] it pushed through the hills and descended into the Kābul valley. The princes of the Punjab might feel that the outlandish host stood indeed at the door.

[1] Ὑπὸ Πλειάδος δύσιν, Strabo, xv, C. 725.

[2] Diod. XVII, 82; Curt. VII, 3, 12.

But Alexander, having reached the Kābul valley in the winter of 329–8, did not make an immediate advance upon India. Beyond the mountain range which forms the northern side of the valley, the Hindu Kush, lay the extreme provinces of the old Persian Empire towards the north-east—Bactria (whose name still survives in the city of Balkh) and the country now called Bukhāra. Not only were these provinces still unsubdued, but the Persian cause was upheld there by a prince of the old blood royal. Alexander must beat down that opposition, before he could think of invading India. He waited therefore for the rest of the winter in the Kābul valley, till the spring should unblock the passes of the Hindu Kush. And again here the inhabitants saw the Europeans make preparations for permanent settlement. At the foot of the Hindu Kush, whence three roads to Bactria radiate[1], on the site probably of the still existing village of Chārikār, rose another Alexandria, Alexandria-under-the-Caucasus. In support of the Yavana colony to be left in this town, other little settlements were established at points a day's journey off in what were henceforth to be Greek towns; Cartana, noted for the rectangular precision with which its walls were traced out (modern Begrām, according to Cunningham) and Cadrusi (Koratas ?) are names given us. In this case we have an express statement that 7000 of the people of the land were to be incorporated as citizens of the new towns with those of Alexander's mercenaries who cared to settle in this region 2800 miles away from their old home[2]. Another new city, or old city transformed with a new Greek name, Nicaea, occupied apparently some site between Alexandria and the Kābul river[3].

As soon as the snow was melted enough to make the Khawak Pass practicable, the Yavana army trailed up the Panjshir valley[4], leaving little bodies of Europeans behind it to hold the Kābul valley under a Persian satrap and a Macedonian *episkopos*. The main body of the army once more contended with the hardships of

[1] Cunningham, *Ancient Geography*, p. 24.

[2] Diod. XVII, 83; Curt. VII, 3, 23, according to the MSS. has 'vii millibus seniorum Macedonum.' Hedicke in the Teubner text amends this, perhaps too boldly, as 'vii millibus subactarum nationum.'

[3] The discussions of Dr Vincent Smith and of Sir Thomas Holdich as to the site of Nicaea—the former puts it at Jalālābād and the latter at Kābul—are invalidated by the fact that Nicaea, if we follow Arrian, was not on the river Kābul at all. Alexander from Nicaea *advances toward* the Kābul; ἀφικόμενος ἐς Νικαίαν .προὐχώρει ὡς ἐπὶ τὸν Κωφῆνα, IV, 22, 6. Mr M'Crindle curiously omits the words in his translation. Not Nicaea, but some place on the way to the river Kābul, was where the army was divided.

[4] Holdich, *Gates of India*, p. 88.

a passage over the high ridges and disappeared to the northwards. During the following twelve months (May 328 to May 327) such news of it as reached India showed that the Yavana king still prevailed against all enemies. As far as the Syr Daria (Jaxartes) the peoples of Eastern Irân were broken before him. In the early spring of 327 he was again moving to the south.

The rāja of Takshaçilā must have realised at this juncture that a momentous choice lay before him. It may be that the idea of a common Indian nationality, in whose cause he and his brother kings might stand together against the stranger, did not even occur to him: India was too large and too disunited for the mind to embrace it as a unity. But he might well tremble for his own power, if this new resistless deluge came bursting into the land. On the other hand it might perhaps be turned to his account. His policy was largely governed by his antagonism to the rival prince of the Paurava[1] house (Porus), who ruled on the other side of the Hydaspes (Jhelum). The Paurava was indeed a neighbour to be dreaded. He is described to us as a man of gigantic and powerful build, a warrior-chief, such as in an unsettled world extends his power by aggressive ambition and proud courage. He had conceived the idea of building up for himself a great kingdom, and he was the man to realise it. He had already made an attempt to crush the free tribes to the east, pushing his advance even beyond the Hydraōtes (Rāvi), in alliance with the rāja of the Abhisāra country (corresponding roughly with the Pūnch and Naoshera districts in Kashmīr) and with many of the free tribes whom he had drawn into vassalage swelling his army, although the resistance he there encountered from the Kshatriyas[2] had made him temporarily give back[3]. His hand had perhaps also reached westward across the Hydaspes into the country which the rāja of Takshaçilā considered his own[4]. It might well seem to the rāja of Takshaçilā that, threatened on the one side by the Paurava and on the other side by the European invader, his safest course lay in allying himself with the European, riding on the crest of the wave that would sweep his rival to destruction.

And yet the European host which had emerged out of the unknown West to shatter the Persian Empire may have appeared too unfamiliar and incalculable a power to make the decision easy.

[1] Paurava is a title denoting the chief of the Pūrus, a tribe known in Vedic times (*v. sup.* Chapter IV, pp. 82 f.).

[2] In Greek Kathaioi, see Lassen, vol. II, p. 167. The general designation of the warrior caste seems to be applied in this case to a particular people.

[3] Arrian v, 22. [4] See Anspach, note 125.

But, if the rāja hesitated, his son Āmbhi (Omphis)[1] had a clear opinion as to what the situation required. He pressed his father to place his principality at the Yavana king's disposal. While Alexander was still in Bukhāra, Āmbhi began to negotiate on his own account. Envoys from Takshaçilā made their way over the ridges of the Hindu Kush. They were charged with the message that Āmbhi was ready to march by Alexander's side against any Indians who might refuse to submit. Thus the European, at his first arrival at the Gates of India, found India divided against itself. It was the hand of an Indian prince, which unbarred the door to the invader.

The summer of 327 B.C. was almost come[2] before the hillmen of the Hindu Kush saw the Yavana army re-appear on the ridges, cross probably by the Kushan Pass[3], and stream down to the new Alexandria. The satrap who had been left here was found to have done badly, and Alexander appointed another in his place, Tyriespes, a Persian like his predecessor. The population of the city was enlarged by drawing in more of the people of the land and settling down there more war-worn European veterans. The work of making a city of Greek type had really only been begun, and a Macedonian of high rank, Nicanor[4], was now appointed to see it carried through.

The army moved on from Alexandria to Nicaea, where Alexander sacrificed to the Greek goddess Athena. From Nicaea he sent on a herald to the rāja of Takshaçilā and the native princes west of the Indus to meet him in the Kābul Valley. We know of one Indian chief, Çaçigupta (Sisikottos), already in the conqueror's train. His had been probably some little hill-state on the slopes of the Hindu Kush, whence he had gone two years since, to help the Irānians in Bactria against Alexander. When their cause was lost, he had gone over to the European. Messengers now summoned the other chieftains of the lower Kābul Valley to meet their overlord. At Takshaçilā too messengers appeared with the summons. And the rāja, acting on the policy which his son had espoused so decisively, rose up to obey.

Encamped in the Kābul Valley at some place not named the rāja of Takshaçilā saw the host destined for the invasion of his mother-land. It numbered, at the lowest estimate, from twenty-

[1] See Sylvain Lévi in *Journal Asiatique*, 8me Série xv (1890), p. 234 f.

[2] Ἐξήκοντος ἤδη τοῦ ἦρος, Arr. IV, 22, 3.

[3] Strabo xv, C. 697; Cunningham, *Ancient Geography*, p. 25.

[4] Dr Vincent Smith (*Early History of India*, 3rd edition, p. 49) seems to be in error in identifying this Nicanor with the son of Parmenio.

five to thirty thousand men[1]—a strangely compounded army, which can only be called European with qualification. Its strength indeed consisted in the Macedonian regiments, stout yeomen and peasants carrying the long spear of the heavy-armed foot-soldier, and troops of splendidly disciplined cavalry drawn from the aristocracy of the country, the 'Companions' of the national King. European too were the thousands of soldiers from the Greek cities, serving as mercenaries, on foot or mounted, and the contingents of semi-barbarous hillmen from the Balkans, Agrianes and Thracians, serving as light troops—slingers, javelineers, and bowmen—invaluable for mountain warfare. But mingled with the Europeans were men of many nations. Here were troops of horsemen, representing the chivalry of Irān, which had followed Alexander from Bactria and beyond[2], Pashtus and men of the Hindu Kush with their highland-bred horses[3], Central-Asiatics who could ride and shoot at the same time[4]; and among the camp-followers one could find groups representing the older civilisations of the world, Phoenicians inheriting an immemorial tradition of ship-craft and trade, bronzed Egyptians able to confront the Indians with an antiquity still longer than their own.

There was nothing to arrest this army between the point they had now reached and the Indus. The local chieftains had indicated their submission. All along the north side of the Kābul however lay the hills, whose inhabitants in their rock citadels, in the valleys of the Kūnar, the Panjkora, and the Swāt, were unschooled to recognise an overlord, and as prepared to give trouble to anyone who tried to incorporate them in an imperial system as their Pathān successors of a later day. But it was not Alexander's way to leave unsubdued regions beside his road. His army therefore broke up into two divisions. One, commanded by Hephaestion, the king's friend, and Perdiccas, the proudest of the Macedonian nobles, moved to the Indus by the most direct route. This would probably mean a route along the south bank of the Kābul, whether

[1] The numbers in the ancient texts are often untrustworthy. The estimate in the text is Delbrück's, *Geschichte der Kriegskunst* (1900), vol. I, p. 184. Anspach (note 20), combining Arrian, *Ind.* 19, 5 with Diod. XVII, 95, reckons the army in the Kābul Valley at about 85,000. Delbruck denies that so large an army with the necessary camp-followers could have got across the Hindu Kush. This is a point for practical strategists. Whether Plutarch's number (*Alex.* 56) is correct or not, he does not say, as Dr Vincent Smith, p. 49, inadvertently quotes him, that Alexander *entered* India with 120,000 foot and 15,000 horse, but that Alexander *left* India with that number. Reinforcements had been arriving from the West in the meantime.

[2] Arr. IV, 17, 3. [3] *Ib.* V, 11, 3. [4] *Ib.* IV, 24, 1.

through the actual Khyber Pass or not[1]; the other, led by the king himself, turned up into the hills. The two divisions were to rejoin each other upon the Indus; Hephaestion and Perdiccas, arriving there first, it was calculated, would have made all preparations for the passage of the great river.

The Europeans who had followed Alexander so far into Asia now entered the region in which the armies of the English operate to-day. At that season of the year[2] the hill-country must have been bitterly cold, and probably to some extent under snow. It was the same hill-country whose contours and tracks and points of vantage are studied now by British commanders; the tough highlander of the Balkans or of Crete climbed and skirmished with bow and javelin in 327 B.C. where the Scottish highlander was to climb and skirmish with rifle and bayonet two thousand two hundred years later. And yet it is impossible to follow the track of Alexander over these hills with any precision. We hear of little mountain towns stormed, of others abandoned by their inhabitants. But their sites cannot be identified. One must however note that at this point Alexander, in an ethnographical sense, entered India; for these hills, whose population at the present day is either Afghān or Kāfir, seem then to have been possessed by Indian tribes. The Açvakas, as their name apparently was in their native speech, were the first Indian people to receive the brunt of the invasion[3]. The fighting seems to have been of exceptional ferocity. At one place, where Alexander was wounded, the whole population was put to the sword. At another place we hear of a huge massacre, and 40,000 men taken captive. At a third place a body of Indians from the Punjab had come to help the local chieftain for hire. When the town capitulated, it was agreed that these

[1] Dr Vincent Smith says that he did not go by the Khyber and cites Sir Thomas Holdich in support of the assertion. Sir Thomas in his more recent book, *Gates of India* (p. 94), says that he 'undoubtedly followed the main route which. is sufficiently well indicated in these days as the "Khaibar".'

[2] Μετὰ δυσμὰς Πλειάδων, Aristobulus ap. Strabo xv, C. 691.

[3] In the Greek accounts a people called Aspasioi are found in the Choes (either the Alishang or Kūnar) Valley and a people called Assakēnoi in the Swāt Valley. Both names are supposed to represent the same Indian name Açvaka, connected with *açva* 'horse.' If so, the two Greek names may be due to local varieties of pronunciation, and it may be noted that the form Aspasioi would then approximate to Irānian speech, in which *aspa* is the equivalent of *açva*. Strabo, according to the MSS. (xv, C. 691, C. 698), calls the Aspasioi Hypasioi; this is often emended in modern texts to Hippasioi, on the supposition that the Greeks knew their *hippos* to be the etymological equivalent of *aspa* and attempted a translation. This is extremely unlike the Greek way in these matters. The confusion is made worse by another people called Astakēnoi appearing in the Pushkalāvatī region, whose name is supposed not to be connected etymologically with that of their neighbours, the Assakēnoi.

mercenaries should transfer their services to Alexander. They encamped on a little hill apart. There, as they talked together, it seemed to them a horrible thing that they should march with the Yavanas against their own people. They determined to slip away, when night fell, and make across the hills for home. But when night fell, they found the hill beset on all sides with the soldiers of Alexander; for some one had betrayed their design. The Macedonians suffered none of them to live till morning[1].

The town with which this incident is connected the Greeks call Massaga. We know only that it was situated east of the Guraeus river and apparently not far from the stream. The resistance which the easternmost branch of the hill-people, those called by the Greeks Assakēnoi, offered to the invader seems to have been concentrated at this place. All these tribes, as far as the Indus, recognised as overlord a chief whom the Greeks call Assakēnos. His organisation for defence included an alliance with the king of the Abhisāra country beyond the Indus, who sent contingents to his support[2]. Assakēnos had himself taken command at Massaga, and fell there, struck by a missile from one of the European siege-machines[3]. His mother and daughter were left in the enemies' hands[4]; but it was not among Alexander's faults to fail in chivalry to the women whom war put at his mercy[5].

The loot in cattle in these regions was enormous, and we are told that a herd of the finest animals was actually given by Alexander into the charge of drovers who were to drive them all the way from the Hindu Kush to Macedonia. A town called by the Greeks Arigaeon, which apparently commanded the road between the Kūnar and the Panjkora Valleys, was selected for recolonisation—a number of war-worn Europeans and a number of the native people were to form the population, as in similar cases before.

One curious incident relieves the story of blood-shed. Somewhere among these hills[6]—probably on the lower spurs of the

[1] Arr. IV, 27; Diod. XVII, 84; Plut. *Alex.* 59; Polyaen. *Strateg.* IV, 3, 20.

[2] Arr. IV, 27, 7. [3] Arr. IV, 27, 2. [4] Arr. IV, 27, 4.

[5] A strange story is given by Justin, XII, 7, 10, that it was the *wife* of Assakēnos who fell into Alexander's hands and that he had a son by her, who afterwards became king of the Indians (!) (cf. Curtius, VIII, 10, 35). It may be that the story was concocted in later times in the interests of some petty king of this region, who wished to establish a claim to be descended from Alexander. That is a claim which is still common in the Indian frontier hills.

[6] Holdich in discussing the site of Nysa (*Gates of India*, p. 122) gives a mistranslation of Arrian. Arrian does not say that Alexander 'then entered' that part of the country, but that somewhere in the country which Alexander had already traversed there was a place called Nysa.

se-peaked Koh-i-Mor—dwelt a people who told the Yavanas, so the invaders understood them, that they were descendants of western people who had come into those parts with their god nysus; for Dionysus, the Greeks believed, had gone conquering oss Asia, at the head of his revellers, in the old heroic days. Greeks always experienced a keen joy of recognition, when y could connect foreign things with the figures of their own ends, and they were delighted with the suggestion. The asson-e of names lent itself immediately to confirm the theory as fully as it does to confirm the adventurous speculations of dern archaeologists. In the legend the name Nysa was specially nected with Dionysus—it was the name of his nurse or of the ce where he was born or of his holy hill—and the name of this le town in the Hindu Kush, as it was pronounced to Alexander, l a similar sound. Again the legend said that Dionysus had n born from the thigh (*mēros*) of Zeus, and a neighbouring mit, the Greeks discovered, was called *Meru.* What could be rer? And when they saw the sacred plants of the god, the e and ivy, running wild over the mountain, as they knew them home[1], no doubt could be left. Modern travellers have come n certain fair Kāfir tribes in this region, whose religious pro-sions with music and dancing have a Bacchanalian look, and Nysaeans discovered by Alexander, they suggest, may have n the ancestors of these Kāfirs; their processions may have led Greeks to connect them with Dionysus. This is possible, but the Greek books we hear nothing of the Nysaeans going in cession. It is the Macedonian soldiers themselves, who wreathe ir heads with ivy and range the hills in ecstasy, calling on the l by his sacred names, as their people had done from old time the woody spurs of the Balkans. Hostilities, at any rate, h these interesting kinsmen could not be thought of, and the ysaeans' were themselves prepared to act in character; three ndred of them on their mountain horses joined the army of the vana king and followed him to battle in the plains of the Punjab.

Whilst Alexander was fighting in the valleys to the north of Kābul, the other division of the Macedonian army under phaestion and Perdiccas, accompanied by the rāja of Takshaçilā, de its way along the Kābul to the Indus. It may have been ough the Khyber Pass that, one day in the cold weather season the end of 327 or beginning of 326 B.C., the glitter of strange ars, long lines of mailed men, were seen emerging into the

[1] Holdich, *Gates of India*, p. 183.

plain about Peshāwar—the advance guard of the European invasion of India. A few days' march farther, and they came to the Indus. Arrived there, the Europeans set about collecting material for the bridge which was to transport their fellows into the interior of the land. But their hold on the country west of the Indus was not yet secure. The region in which the division of Hephaestion and Perdiccas was now encamped formed part of the realm of a rāja, named by the Greeks Astes[1], whose capital was the town of Pushkalāvatī (Chārsadda) to the north of the Kābul river. The rāja at this moment declared himself an enemy of the foreigners. He was not strong enough to hold the open field against Hephaestion and Perdiccas, and shut himself desperately in some walled town. For a month he held it against the besiegers, and then the greater strength of the Europeans beat him down, and destroyed him. The principality was given to one who had been his enemy and become a hanger-on of the rāja of Takshaçilā, a certain Sangaya. He was a man upon whose loyalty the Yavanas could count.

In the hills to the north, after a few months' fighting, the tribes generally had submitted to Alexander and the strong places were in his possession. He constituted the lower Kābul Valley and the recently conquered hills a special satrapy, distinct from the satrapy of the Paropanisadae, which Tyriespes ruled from Alexandria-under-the-Caucasus. The new satrapy, whose official name we do not know, but which can be most conveniently described as India-west-of-the-Indus, got for its governor a Nicanor, probably the same man who had been left a few months before to superintend the building of Alexandria. The king himself came down to Pushkalāvatī at the lower end of the Guraeus (now usually called the Swāt) valley, which was not in a position, after the defeat of its rāja, to offer any resistance. He set a Macedonian garrison in the town under an officer named Philip.

But the effective occupation of the lower Kābul valley by the Yavanas required still more to be done. The division of Hephaestion had meantime fortified and garrisoned a place the Greeks call Orobatis, and Alexander, accompanied by two Indian chieftains, 'Cophaeus' and 'Assagetes'[2], moved about to take possession of various small towns between Pushkalāvatī and the Indus. But

[1] One guess is that this represents the Sanskrit proper name Hastī; a more probable one is that it is short for Ashṭakarāja, king of the Ashṭakas.

[2] Anspach suggests, p. 65, note 200, that Cophaeus = rāja of the region about Pushkala near the Cophēn, and Assagetes = the rāja of the Assakēnoi (successor of the rāja killed in Massaga).

one great labour remained. The reduction of a certain mountain citadel, which crowned Alexander's work during that winter, always seemed to the Greeks the great glory of the campaign. The Greek books described the siege and storming at greater length than any other episode in this region. The story was started that Heracles had attempted to storm that very rock and failed. Unfortunately, it has so far been impossible to fit the Greek description of Aornus to any rocky height noted in the country to-day[1].

Aornus, we are told, was not far from the modern Amb; it was a great isolated mass of rock, 6670 feet high, flat on the top with precipitous sides, which on the south went down straight to the river Indus. On the summit were woods and watersprings and fields whose cultivation could keep a thousand men employed. It seems plain that an object of this kind can hardly have escaped modern geographers in search of it. The inference is that some particulars in the Greek account are due to imagination. But when once we begin to trim it so as to suit the actual topography, it depends on a more or less arbitrary selection which particulars we eliminate and which we retain. There is at any rate no reason to doubt that the final conquest of this mountain region did involve the reduction of some exceptionally strong rock-citadel, in which fugitives of the defeated tribes made a last stand. The citadel, when taken, was held for Alexander by a garrison under the Indian Çaçigupta. The capture of Aornus had to be followed by another short expedition further up into the hills, in pursuit of the flying defenders of the fortress. They were led by the brother of the Assakenian chief killed in Massaga[2] and had with them a herd of fifteen war-elephants. To the Greeks the idea of getting hold of these animals, so strange and wonderful to them, of whose value in battle they had probably formed an even exaggerated notion, made their pursuit the more eager. The hills were deserted before them, and Alexander pushed on as far as a town which the Greek books call Dyrta. It was found empty of inhabitants. Alexander learnt that the fugitive prince was dead by the evidence of his severed head, brought by some hillmen one day into camp. He had fallen a victim to some hostile tribe or to his own followers. Two bodies of light troops were detached to scour the hills yet further, and Alexander himself turned back with the

[1] See the note in Vincent Smith, pp. 56, 57.

[2] Arr. IV, 30, 5; Diod. XVII, 86; Curt. VIII, 12, 1. His name is variously given as Aphrikes, Aphices, Erices in different texts.

rest of his division to the Indus. Some natives of the region were caught by the Macedonians on their way. They reported that the fugitives from Aornus and the people of the hills had escaped into the country of Abhisāra, whose rāja was watching the progress of the Yavanas with a doubtful mind. As for the elephants, they had turned them loose in the country bordering the Indus, more swampy in those days than it is now[1]. An elephant hunt accordingly followed; Alexander had already, with his quick interest in new things and his Macedonian sporting propensities, collected about him Indians whose special business was elephant-hunting, and by their means the scattered herd was driven in, and attached to the Macedonian army[2]. The point at which Alexander's division struck the Indus on its descent from the hills was some way above the point where Hephaestion and Perdiccas had by this time constructed the bridge. Between the two, the right bank of the river was largely overgrown with forest, which, if in one way it impeded the advance of Alexander's division, in another way helped the transport by furnishing timber for boats. Part of Alexander's force floated down the river, and when he arrived at Hephaestion's bridge the number of new boats was swelled by those brought down from up-stream. The two divisions of the Yavana host now re-united for passage into the heart of India. The place at which the bridge had been made has been fixed by the most recent opinion at Ohind, about 16 miles above Attock. The Greeks felt that they were crossing the threshold of a new world. Sacrifices to the Greek gods, games and horse-races in their honour on the river bank at Ohind, marked their sense that they were about to begin a new enterprise of formidable magnitude. Alexander was approaching the bourne of the old Persian Empire, and it was evident that he meant to press still onward towards the sunrise. The Greek diviners announced that the omens were favourable. In the early dawn one day in the spring of 326 B.C.[3], the host began to defile over the bridge, the mingled line of many races streaming all day into the Indian world. And the composition of the army became now more singularly mixed by the contingents of native Indian troops sent by the rāja of Takshaçilā, squadrons of Indian horse and thirty elephants, endless trains moreover of oxen and sheep for sacrifice and food, and silver brought in masses from his treasuries.

The rāja of Takshaçilā was now none other than Āmbhi himself;

[1] Holdich, *Gates of India*, p. 122.

[2] Cf. Diod. XVII, 86.

[3] Strabo XV, C. 691. Cf. Vincent Smith, p. 61, note 1.

for the old rāja had not lived to see the Yavanas enter his city. The first act of the new rāja had been to send a message of homage to Alexander; he would not assume his ancestral kingdom except pending the Great King's pleasure. He would take his kingdom only from Alexander's hand. As Alexander moved on Takshaçilā from the bridge, Āmbhi went out to meet him in state at the head of the forces of his principality. For a moment, when the Greeks saw an Indian army deployed across their path, they suspected treachery. The rāja saw that there was trouble in the ranks and galloped forward with a few attendants. He assured Alexander through an interpreter that everything he had was his overlord's. Alexander on his part ratified his assumption of the princedom[1].

The gates of Takshaçilā were thrown open to the Europeans and the Indian crowd watched, no doubt with a crowd's curiosity, the strange figures and dresses which thronged their streets. But in one quarter the Greeks met with an indifference which took them aback. At Takshaçilā, so far as we know, the Greeks first noticed Indian ascetics. The report reached Alexander himself of a strange set of men who were to be seen naked somewhere near the city, 'practising endurance,' men commanding a great reverence among the people. It was no use his sending for them, since they would certainly refuse to come: those who wished to learn their secret must go to them. Alexander, however, on his side, felt he could not go to them consistently with his dignity; so he chose an envoy, a Greek officer named Onesicritus, who had been a disciple of the Cynic philosopher Diogenes, a figure obviously akin to the Indian ascetics. Onesicritus, in the book he afterwards wrote, gave an account of his interesting mission, and we may still read it in Strabo's version[2]. He found fifteen ascetics some ten miles from the city, sitting naked and motionless in a sun so burning that one could not even walk over the stones with bare feet. Onesicritus could only communicate with them through a series of three interpreters, but he made them understand that the Yavana king would like to learn their wisdom. The ascetic to whom he first addressed himself answered bluntly that no one coming in the bravery of European clothes—cavalry cloak and broad-brimmed hat and top-boots, such as the Macedonians wore—could learn their wisdom. To do that, he must strip naked and learn to sit on the hot stones beside them. Another answered more mildly that it was really very creditable for such a man as Alexander to desire to know something of the deeper wisdom, but one must remember

[1] Diod. XVII, 86; Curt. VIII, 12.   [2] XV, C. 715.

that to attempt to convey their teaching through three interpreters, common men incapable of understanding more than the mere words, would be like trying to make water flow clear through mud. They seem however to have made an attempt, and then they asked Onesicritus whether among the Yavanas there was any teaching of this kind, and he told them about Pythagoras and Socrates and his old master Diogenes. The ascetics seemed pleased, but expressed regret that the wise men of the Greeks had clung to such superfluities as clothes[1]. One of these ascetics was ultimately persuaded by the rāja of Takshaçilā to accompany Alexander and return to clothes and a worldly life. His companions considered it an apostasy, and followed him with reproaches. The name of this Indian, who remained a notable figure in Alexander's entourage, was one which Plutarch reproduces as 'Sphines,' but the Greeks, catching among the Indian words of greeting which he exchanged with his fellow-countrymen, the word *kalyāṇa*, 'lucky,' came to call him Kalanos[2].

At Takshaçilā Alexander held what would be called in modern India a durbar. There were more Greek sacrifices and games. Āmbhi and a crowd of smaller chiefs from the country already dominated by the Macedonian arms brought presents, and were granted extensions of territory at the expense of such of their neighbours as had not submitted to the European King of Kings. And Alexander bestowed presents also with a large hand. In the train of the European army, waggons had come over the mountains bringing from the storehouses of the old Persian kings vessels of gold and silver, Babylonian and Persian embroideries, and many of these now found a home in the palace of Takshaçilā. The Macedonian captains were inclined to grumble at the munificence with which Alexander treated his Indian vassal kings. But Alexander had come to feel himself, one gathers, a man raised above distinctions of race, an Emperor of the world, beneath whom all mankind was to be levelled and made one.

East of the Hydaspes (Jhelum) the Paurava king had been watching the immense peril come near. He learnt of the alliance between his old enemy of Takshaçilā and the Yavana conqueror. He learnt that other princes of the land were tendering submission to the new power—his own kinsman, for instance, another Paurava, whose territory lay still further to the east, beyond the Acesines (Chenāb)[3]. In that moment of fear, the spirit of the great Paurava

[1] Strabo xv, C. 714 f. [2] Arr. vii, 2, 4; Plut. *Alex.* 65; Strabo xv, C. 714 f.
[3] Arr. v, 21, 8.

rose unshaken in the resolve to settle his relations with the invader by the arbitrament of arms. It would be a mistake to regard him as one who fought in the nationalist cause. The Paurava does not seem to have been moved by any thought of Indian solidarity against the European any more than the rāja of Takshaçilā. It was not India that he was going to fight for; it was his own honour and his own kingdom. His honour would not allow him to surrender anything without a fair fight, and all his old ambitions of constructing a great kingdom at the expense of neighbouring chiefs and the free tribes would vanish into air, if he gave way to a power which had made agreement with his rivals. And yet, if the Paurava was not a champion of nationalism, India may well reckon the proud and brave prince among her national heroes. Unhappily India has long forgotten his name. We know of him only through the Greek books which call him Porus. It would have seemed a strange fate to him, had any astrologer been able to predict it—to pass quickly out of the memory of his own people, and to be a familiar name for centuries in lands of which he had no conception, away to the West!

To meet the Europeans, the Paurava could draw upon the resources of his own principality lying between the Hydaspes and the Acesines, full of populous villages[1]. And if his immediate neighbours to east and west were hostile, the rāja of Abhisāra was inclined to make common cause with him. That prince had already, as we have seen, given shelter to the fugitives from the Swāt Valley, and now messengers went to and fro between him and the Paurava. He thought it politic however to play a double game, and sent his brother to the durbar at Takshaçilā to convey presents to Alexander and the announcement of his submission. And meanwhile he prepared to send forces to join the Indian army mustering on the Hydaspes.

It was probably some wind of these intrigues which accelerated Alexander's attack[2]. The Paurava, for his part, had sent the Yavana conqueror an open defiance. To the envoys who summoned him to meet Alexander at Takshaçilā he had answered that he would meet Alexander on his own frontiers, in arms[3]. He soon learnt that in spite of the heats of summer which now lay on the land, in spite of the near approach of the rains, the European army had broken up from Takshaçilā and was in full march for the passage of the Hydaspes. Alexander had left a Macedonian garrison in Takshaçilā, and a Macedonian satrap, Philip the son of

[1] Strabo xv, C. 698. [2] Diod. xvii, 87. [3] Curt. viii, 13, 2.

Machatas, in the realm of Āmbhi[1]. Probably somewhere near the place where is now the town of Jhelum[2] the army of the Paurava gathered on the banks of the Hydaspes in the spring of 326. Its numbers are variously given[3]. They were perhaps not very far, more or less, from those of Alexander's army, though all our accounts agree in one point—that Alexander had a numerical superiority in cavalry.

The first body of Yavanas to appear on the river was, one gathers, the advance guard sent on by Alexander, bringing in sections the boats which had been used on the Indus. These were fitted together again on the Hydaspes, and a little fleet could soon be descried in moorings across the river. The king with the main army was on the road. The Paurava seems to have thrown one body of troops into the country opposite under his nephew 'Spitaces,' to contest Alexander's advance in some narrow place of the hills[4], through which the road from Takshaçilā runs. It was, of course, a mere preliminary skirmish, and a manœuvre of the Macedonian horse threw back the Indians in some confusion[5]. Presently the great host of the Yavanas was seen drawn up on the other side. The eyes watching from the left bank could make out the royal tent and the uniform of the body-guards and even the figure of the marvellous man himself moving to and fro among his captains. They could see too a body of 5000 Indians, their countrymen, sent by Āmbhi to fight by the side of the Macedonians. Nothing divided the Indian army from the conquerors of the world but the breadth of the Hydaspes. That however was a serious obstacle. The river at this season[6] was rising as the

[1] This may have been the same Philip whom we heard of as commandant of the garrison in Pushkalāvatī. Anspach thinks it was not, note 200.

[2] Dr Vincent Smith in an appendix (p. 78) defends the Jhelum site against the Jalālpur site, preferred by Cunningham. A point in favour of Jhelum is that it is higher up and Alexander seems to have kept close to the hills. One does not see however that it can ever be possible to decide the question with our defective documents. Most of the argument on the subject takes it for granted that the place where Alexander crossed was *above* the camp of Porus. But our sources do not tell us whether it was above or below. Graf Yorck von Wartenburg and Delbrück prefer the hypothesis that it was below. With this point uncertain, as it must remain, it seems idle to try to be precise.

[3] The numbers in the final battle, according to Arrian v, 15, 4, were 30,000 foot ('all that was any good, that is to say'), 4000 horses, 300 chariots, and 200 elephants. See Delbrück, p. 184.

[4] The exact route of Alexander from Takshaçilā to the Hydaspes is unknown. See Vincent Smith, p. 63, note.

[5] Polyaen. IV, 3, 21.

[6] Dr Vincent Smith's disquisition on the date of the battle (p. 85 f.) suffers from one important datum having been left out—Strabo's statement, on the authority of Nearchus, that the Macedonian army was on the Acesines at the time of the summer

snows began to melt in the Himālayas. Along the left bank the Paurava kept a sharp watch on all possible landing-places. His elephants especially would deter the Europeans, by their terror as well as by their solid bulk, from landing. To land in the face of such opposition might well seem an impossibility, even for Yavanas. But for the Paurava it meant the necessity of unremitting vigilance; it meant the continuous minute scrutiny of every movement on the opposite bank. He was now to show whether he had the general's genius for divining the purposes of the enemy from chance indications.

The difficulty was that movement in the opposite camp seemed perpetual. Over and over again there were concentrations at this point or that, as if an immediate attack were to be made, and then, when the nerves of the defenders were strung up to the highest pitch of expectancy, nothing happened. Was the dreadful foe really brought to a standstill by an obstacle such as he had never yet encountered? Or were these abortive movements purposed feints to throw the defenders off their guard? For the foreigners at any rate it must make things worse when rain storms came on[1]—tropical deluges such as they could never have experienced before, with only such shelter as a camp allows—and the swollen river swelled yet higher. Some indications seemed to show that this state of suspense might be protracted for months, that the Yavanas had given up the thought of attempting to cross in the present state of the river, and were going to wait for the winter when it would become fordable. It was certain from the reports of spies that great stores of provisions were being brought up, as if for a long halt[2]. Then alarms at night began. In the intervals of the rain the noise of cavalry mustering could be heard on the further bank, the shoutings of words of command, the songs which the Yavanas sang in battle to their own gods; and at the sound of it, on the left bank the great elephants would swing through the darkness to their stations, and the lines of Indians stand ready with sword and bow. And still nothing happened. The night alarm became almost a piece of routine.

solstice (xv, C. 692). This would support Arrian's statement that the battle was in the month of Munychion, i.e. probably about the middle of May, not in July as Dr Vincent Smith computes. (See Anspach, note 124.)

[1] According to Mr Pearson (see Bibliography) the regular rains do not begin in this part till July.

[2] Schubert points out that if Alexander was trying to keep the Indians in expectation of an immediate attack he can hardly have tried at the same time to persuade them that he was going to remain stationary for a long time. If they got this impression from the arrival of provisions, it was not therefore due to design on his part.

One daybreak, after a night of storm and violent rain, outposts came galloping in with the tidings that boats crowded with horses and armed men had been sighted rounding the end of a wooded island some twenty miles away from the Indian camp. A body of Yavanas had succeeded in reaching an undefended part of the left bank! The first outposts who reported sighting the boats were soon followed by others who had seen the enemy getting firm foot upon the land.

From the Greek books we know more than the Paurava could know of the movements which had taken place in the European army on that terrific night. While the rain poured in torrents and the lightnings struck men down here and there in the European columns, the king with a strong division[1]—Macedonian horse and foot, horsemen from Balkh and Bukhāra, light-armed Balkan mountaineers and archers—moved to a point about seventeen miles from the European camp, where the fleet of river-boats was in readiness. As it drew near day, the storm abated, and in the first light the laden boats pushed off. In any circumstances, to embark upon an unknown river, swollen in flood, would have been sufficiently venturesome. A single bark carried the king and several of his great captains, men who in after days were destined themselves to rule great tracts of the earth and to plot against each other's lives—Perdiccas, the future Regent, Ptolemy, one day to be king of Egypt, Lysimachus, to be king of Thrace and carry the Macedonian arms into what is now Roumania, Seleucus, who would inherit Alexander's Asiatic empire. With so much history was one boat big, which in the early light of that gray morning swayed upon the blind eddies of an Indian river. It was one of the moments when Alexander threw himself upon luck, as represented by the chance play of natural forces. The point from which the boats put out had the advantage—it was chosen for that reason—of being hidden from the watchers on the opposite bank by a wooded island in mid-stream. It was not till the boats approached land that they came in sight, and sent the outposts galloping back to the Paurava. It was instantly clear that everything was a question of time: could the Indians reach the place where the Europeans had landed before the Europeans were ready to receive them? And here the luck of natural accidents came in. The Europeans soon discovered that the recent rain had cut off

[1] Some 31,000 men, if Arrian's figures are accepted. Of course, if Delbrück's estimate of 30,000 for the whole of Alexander's army is right, Arrian's numbers must be very much exaggerated.

the place where they were from the proper shore by a swollen channel; they had landed on what was now practically an island. All depended on whether the channel was fordable. If it was not, the Europeans were caught in a trap. The question remained doubtful, as at point after point attempts were made, and the water proved too deep. Then a point was found where it was just possible for a man to cross, going into the strong current above his breast, and there men and horses struggled through. Onesicritus recorded words which, he said, burst from the king in the stress of that moment. They show a curious point of contact between the European then and the European now. For to-day India sees in the European some one living and moving and acting in its midst, whilst the public opinion which governs him, for which he really cares, is the opinion of a society thousands of miles away. At that moment, Onesicritus said, Alexander suddenly exclaimed, as the thought struck him that he was going through all this for the sake of a fame, which meant that people would talk and write about him at Athens[1]!

When the Paurava received tidings of the landing of the Yavanas, he could not yet tell from which direction the main attack would come. For the enemy's camp could be descried as usual just opposite—the royal tent, bodies of European soldiery, of horsemen from the Kandahār highlands and the Hindu Kush, and the Indian troops of the hostile rājas. The Paurava must not relax his guard on the adjacent landing-places, whatever force he might detach to deal with the body of Yavanas who had got across. As a matter of fact, Alexander had left a force, including two Macedonian phalanxes, in the camp under Craterus, with orders to attempt the passage as soon as they should see the Indians thrown into confusion by his own attack, and another body of troops with Meleager at a point half way between the camp and the place of embarkation[2]. The division which crossed the river with Alexander numbered about 11,000 men. The Paurava remained stationary with the bulk of his army, but in order to meet with all possible speed the Europeans who had landed, he detached a force of 2000 mounted men and 120 chariots under the command of his son. The young prince found a body of Europeans already drawn up on

[1] Plutarch, *Alex.* 60.

[2] If Arrian's figures are right, the force left in camp would have numbered about 17,000 foot and 1800 horse, and the division with Meleager about 30,000 foot and 2000 horse. Delbrück considers that the number given for Alexander's division, 11,000, is correct and makes it the basis of his calculation.

the shore. As he came nearer, detachments of horse broke from the enemy's lines and swept towards him. But instead of the shock of the encounter, a hail of arrows descended upon the Indian cavalry; for the men who came against them carried bows and could shoot in full career. They were not Yavanas, but the men from the steppes of Central Asia, who by custom fought in this elusive fashion. Behind them, however, Alexander was keeping his European squadrons in reserve, till he knew whether he had the main force of the Paurava before him or only a detachment. Then the Indians received the charge of the Macedonian horse, squadron after squadron, and at their head flashed the person of the terrible king. The Indian horsemen were overpowered, and could only throw their lives away in the unequal battle. Four hundred are said to have fallen; the young prince was among the slain. All the 120 chariots, running headlong into the mud, were captured[1].

The return of the shattered squadrons to camp told the Paurava that no river separated Alexander and himself any more, that the hour of supreme crisis was come. He determined to move practically the whole of his force against the division with the king. Only a small body of troops (four or five hundred foot soldiers and thirty-five elephants) were left to hold the river-bank against the division with Craterus. The Indian army arrived in time to draw up in battle order before the Europeans engaged them.

Some of the pictorial features of the battle which followed we can gather from our Greek texts. But their account is too confused, in part perhaps through the mistakes of copyists, to allow us to reconstruct it as a military operation. Not knowing whether it was above or below the Indian camp that Alexander had landed, we do not know whether the right or the left of the Indian line rested upon the river; and yet that would be an essential point in understanding what happened. We know at any rate that the strength of the Indians was in the two hundred elephants—an arm to which the Europeans had no parallel and which was apt to terrify the foreign horses—whilst the superiority of the Europeans was in cavalry.

[1] Anspach supposes that the son of Porus was already near the spot with 60 chariots and 1000 horse when Alexander landed, and that, finding a larger body had crossed than he could cope with, he sent for help to his cousin Spitaces, who was holding a post lower down opposite Meleager; Spitaces brought up 60 more chariots and another 1000 horse.

A picture of the Indian line of battle is given us. The elephant were drawn up along the front like bastions in a wall. The enemy would be obliged, either to attack the unfamiliar monsters directly or go in between them to get at the masses of Indian foot behind. The line of foot projected on each side beyond the elephants, and beyond the foot, cavalry was stationed to guard either flank, with chariots in front of them. An image of some god, Kṛishṇa or Indra, was held aloft before the ranks[1]. In the midst of his army the Indian prince had his seat upon an elephant of exceptional size, his own magnificent frame encased in a hauberk of cunning workmanship, which left nothing but his right shoulder bare—visible to all and surveying all. The Indian army waited, a great stationary mass, whilst the monotonous yet exciting rhythm of the drums and the trumpeting of the elephants filled the air, to see how the more mobile European force opposed to it would develop the attack. As in the former fight that morning, it was a cloud of 1000 mounted archers from Central Asia, which first rolled out upon the Indian left and covered the cavalry there with flights of arrows. Their arrows might have been answered more effectually from the Indian ranks, were it not that the rain-rotten slush underfoot made it impossible for the Indian archers to get a firm rest for their long bows. To repel this attack the Indian cavalry on the left wing began to execute some wheeling movement, but while it was still incomplete the Macedonian horse-guards, led by Alexander himself, bore down upon them. The battle, so much we can say, was decided by the cavalry. Alexander's onset was supported by another body of European horse under the Macedonian Coenus. What exactly the manœuvre of Coenus was is obscure; the phrases in our authorities are of doubtful interpretation, and what is offered in printed texts is sometimes the conjectural emendation of a modern editor[2]. The Indian cavalry was unable to hold its own against the Macedonian horse, practised in a hundred fights over half Asia. The irretrievable defeat of the Indian cavalry threw the infantry into confusion, and the crush in the centre made the elephants a terror to their own side. When the European infantry came into action, all resistance had become hopeless, and what followed was not fighting, but butchery. Between the broken squadrons of horse plunging amongst them and the rushes of the maddened elephants, the Indian army was reduced

[1] Curt. VIII, 14, 11.

[2] E.g. in the Teubner text of Curtius by Hedicke 'Coenus ingenti vi in laevum cornu invehitur,' VIII, 14, 17, is emended into 'a laevo cornu invehitur.'

to a bewildered mob[1]. A part of the mob surged backwards in a wild attempt to regain the camp from which they had set out, and a certain number succeeded in getting through the cruel ring of the enemy's cavalry. But by now the division of Craterus had crossed the river, and these exhausted fugitives therefore only found new bodies of Macedonians, fresh and unbreathed, barring their way. They were mown down without a possibility of escape or resistance. Among the thousands who, the Greek books affirm, perished on that day—'were the two sons of Porus, Spitaces the "nomarch" of that district, all the great captains of Porus.'

The prince himself from the back of his huge elephant had seen his army turned to confusion around him. The Greek historians, to whom India must owe it, if she knows anything to-day about this her heroic son, observe that, unlike the Persian monarch in a similar case, he did not turn to flight. So long as any body of men in that seething mass preserved any appearance of order, the Paurava kept his elephant where the darts were flying. One gashed his bare right shoulder. When all hope was over, the royal elephant turned and made its way from the place of carnage. The Paurava had not gone far when a man came galloping after him. Coming within earshot, he shouted to the prince to have his elephant halted: he brought a message from the Yavana king. The Paurava recognised the hated face of the rāja of Takshaçilā. Then he turned round in his seat, and, with what strength his wounded arm could gather, threw a javelin[2]. Āmbhi evaded it and galloped back to his overlord. Presently the Paurava was overtaken again by other horsemen, calling to him to stop and receive Alexander's message. Among them he saw a certain 'Meroes,' whom he believed to be still his friend. Loss of blood had brought on intolerable thirst. It came to the Paurava that he had done all that honour required, that he might yield to destiny. The elephant was halted and he alighted. The envoys of Alexander gave him to drink. Then he bade them conduct him to the king.

[1] For the battle see especially Schubert, *Die Porus-Schlacht* in *Rhein. Mus.*, Neue Folge, LVI (1901), p. 543 f. He attempts to disentangle the parts of Ptolemy and Aristobulus in Arrian's account. One critical question bearing on a reconstruction of the battle is the value to be attached to the 'Letter of Alexander' cited by Plutarch. Schubert holds it to be a later fabrication based on Clitarchus. Delbrück (*Gesch. der Kriegskunst*, I, p. 189) maintains that, although not the work of Alexander himself, it was an official bulletin given out in his name. G. Veith in *Klio*, VIII (1908), pp. 131 ff., defends against Schubert the general consistency of Arrian's narrative.

[2] Head, *Historia Numorum* (2nd ed.), p. 833, suggests that the coin figured in Pl. I, 16, may give an actual representation of this encounter (*v. inf.* pp. 389–90).

As the little party neared the Macedonian lines, the Paura saw the conqueror of the world come galloping out to meet hi It was an instance of two strong men, from diverse ends of t earth, coming face to face. Alexander, whose romantic vein w easily touched, was all admiration, the Greek books say, for antagonist so splendid in person, so brave and proud. There is Indian historian to tell us what the Paurava felt, when he look on Alexander. But we gather that from their meeting the Paura gave this unparalleled man his full loyalty, as vassal and frie Their conversation at this their first meeting is recorded. T Paurava was made to understand that Alexander desired him indicate himself the treatment he would wish to receive. 'Act a king,' the Indian said. But the interpreter explained th Alexander was not satisfied; he wanted something more preci 'When I said "As a king"' the Paurava replied, 'everything w contained in that.'

The principality of the Paurava was now in the hands Alexander to order as seemed good to him. The Paurava w re-instated in his former dignity. He was only required to rega himself as the member of a world-realm under Alexander. In groupings of mankind,—in the family, the nation, the empire—t constituent units have to sacrifice something of their independen in order to share in the greatness and strength of the group. A in such a realm as Alexander now conceived, a realm includi already so many races and nations, in which European and Asia should stand on one footing, it might well seem to a proud Indi prince that he and his people could accept their place witho shame. He entered it as the peer of the Macedonian chiefs, wl might claim to be the conquerors, and of the princes and nobles Irān, who had given their allegiance to the new King of King That his new position meant amity with the rāja of Takshaçilā w probably the thing which the Paurava found most bitter. B that Alexander sweetened, so far as he could, by giving him great enlargement of dominion towards the east.

Here too Alexander, pursuing his fixed policy, was determin to strengthen the bonds which knit his empire together by plan ing cities of European men. On what had been the field of battl they began to trace out the walls of a Nicaea, a 'City of Victor and on the opposite bank of the river, whence Alexander had p out in the gray of that eventful morning, the site of a city w marked, to be called Bucephala, after the king's stalwart old hor Bucephalus, who had come so far to lay his bones.

Here again the Indians saw the Yavanas honour their gods in their own peculiar fashion—the sacrifices of thanksgiving for victory, the obsequies of the slain, the horse-racing and the running, wrestling and boxing of naked men. To the Sun especially Alexander made offerings on this occasion, whose grace, he deemed, had opened for him the way to the Orient[1]. Then the army turned once more to the business of war. The state of things, as we saw, which the Europeans found in the Punjab was one of extreme division, free tribes everywhere maintaining their separate independence against princes like Āmbhi and the Paurava. The first effect of the Macedonian conquest, as it has been of other conquests, was internal unification. It seemed good policy to recognise a certain number of native princes and make their authority really effective over large spheres. Even to the west of the Acesines (Chenāb), the next river after the Hydaspes (Jhelum), there was a people with thirty-seven towns of over 5000 inhabitants—the Greeks give their name as Glausai or Glauganikai—which had held their independence against the Paurava. But it was a different matter, when the summons was brought by the conquerors of the Paurava, when they saw the wave of European and Central-Asian cavalry sweeping over their fields, columns of Macedonian footmen and Thracian archers marching against them. They surrendered, and the principality of the Paurava was extended over their land.

There was no power in the north-west of India, after the battle on the Hydaspes, which could meet the Europeans in the open field, as the Paurava had done. The only chance lay in the fact that the intrusive power, although a far-reaching one—a camp on the move—could not be everywhere at once, and, if it could not be met, it could often be defied at a distance. The rapid conquest had been anything but secure. Even before Alexander had left Takshaçilā a rebellion in the Kandahār region, which had been joined by the chief of a neighbouring part of India[2], had been suppressed, and now, whilst Alexander was encamped among the rivers of the Punjab, the hill tribes of the Swāt Valley threw off fear and renounced allegiance. We may perhaps gather from a sentence in a Greek text[3] that the satrap Nicanor was killed. The Indian Çaçigupta, who held the fortress of Aornus for Alexander, sent urgent messages to the Punjab. Macedonian forces came up in time to beat down the revolt, from the neighbouring satrapy on

[1] Diod. XVII, 89; Curt. IX, 1, 1.

[2] Curtius VIII, 13, 4. The Indian chief's name is Samaxus in the MS.: Hedicke emends conjecturally Damaraxus.

[3] Arrian V, 20, 7.

the west under the Irānian Tyriespes, and from the realm of Āmbhi under Philip[1]. But even if this revolt was suppressed, it was an indication of disruptive forces below the surface.

The rāja of Abhisāra, who had been too late to help the Paurava, thought well to renew his assurances of loyalty to Alexander. A body of envoys from Kashmīr, headed by the rāja's brother, arrived in camp with presents which included forty elephants. They would also seem to have brought back to Alexander his envoy Nicocles, whom the rāja had retained by him, so long as the issue of the conflict with Porus was doubtful[2]. Alexander, however, could now be satisfied with nothing short of the rāja's own presence, and gave the envoys to understand that it would be as well for him to come, or Alexander might come to look for him.

When the satrap of Parthia, a Persian, had brought down a body of Thracian reinforcements from Irān, Alexander moved across the Acesines (Chenāb), probably in the neighbourhood of Siālkot, having now nothing but physical difficulties to contend with[3]. The passage of the river brought him near the frontiers of the other Paurava. This chieftain's envoys had been for some time past carrying Alexander his homage; but his calculations had been completely upset when he saw the hated kinsman, whom he had pictured humbled before him by the power of the foreigners, retained at Alexander's side as an honoured friend. It made his own position a dangerous one and he fled before the approach of the Europeans[4]. The king pressed onwards to the next river, the Hydraōtes (Rāvi), leaving, of course, strong posts at various points behind him, to secure his communications. From the banks of the Hydraōtes he detached a body of troops under Hephaestion to occupy the territory of the fugitive Paurava, and annex all the land between the Acesines and the Hydraōtes to the realm of Porus his friend. Any free tribes within that region were to be taught to recognise their new prince's authority. Hephaestion was also to begin the walls of a city upon the Acesines—possibly[5]

[1] Acc. to Anspach, note 200, Philip, the governor of Pushkala, *not* = Philip the satrap.

[2] Auct. anon. *Epit. Alex. M. rer. gest.* II, § 55 f. (Fleckeisen's *Jahrbücher für klass. Philol.* XXVI, Supp. 1901, p. 105).

[3] The river would be in flood at this time, late June, Strabo XV, C. 692; Anspach, p. 66.

[4] To the Gandaridae, says Diod. XVII, 91. The people of the Ganges region are probably meant. The statement which Strabo (XV, C. 699) gives as made by 'some people' (τινες) that the principality of this Porus was itself called Gandaris seems to rest upon a confusion.

[5] As Anspach supposes (note 215).

an older native town commanding the road over the river, now to be rebuilt and fortified on Hellenic principles[1]. Alexander himself passed on eastwards over the Hydraōtes.

The European army kept near the foothills of the Himālayas, marching through the country north of Amritsar. The region was one of those held by free tribes, one which the Paurava, in the days before the coming of the Europeans, had vainly tried to subdue. The first tribe to whom the Europeans came, east of the Hydraōtes, the Adhṛishṭas[2], submitted; but the powerful Kshatriyas, who had repelled the Paurava and the rāja of Abhisāra combined, were not disposed to bow to the Yavanas without a struggle[3]. The fortified town called by the Greeks Sangala[4] was chosen as the centre of resistance. The Kshatriyas who held it soon found that the invaders drew the siege tight around it in deadly fashion. But it was eventually not foreigners only whom they saw from their walls. Their old Paurava enemy arrived in the Macedonian camp with a force of elephants and five thousand Indian soldiers. He arrived in time to see the Macedonian storm the city. Seventeen thousand of the defenders, we are told, fell by the sword, whilst the captives surpassed the enormous figure of 70,000. The inhabitants of other towns of the Kshatriyas fled in a mass, although Alexander sent his clever Greek secretary, Eumenes of Cardia, to assure them of his clemency if they submitted. Many succeeded in getting out of the country, but some 500 were overtaken by the Europeans and killed. Sangala was razed to the ground, and the country made over to the Paurava.

Somewhere near the Kshatriya country, it would seem, lay the principality of the rāja Saubhūti, worthy to be set beside the Paurava, as he is described to us, for goodliness of person and stature and for the vigour of his administration[5]. In later days

[1] Arr. v, 29, 3.

[2] So Tomaschek interprets their Greek name Ἀδραισταί. *s.v.* 'Adraistai' in Pauly-Wissowa.

[3] In most English books, we are told that the Cathaei (Kshatriyas) were allied with the Malli and Oxydracae. (This is assumed by Dr Vincent Smith, *The autonomous tribes conquered by Alexander*, in the *J.R.A.S.* for 1903, p. 685 f.). As a matter of fact the phrase in Arrian v, 22, 2, καὶ τούτοις κατὰ τὰ αὐτὰ Ὀξυδράκαι κτλ. does not mean 'The Cathaei were *allied* with the Oxydracae etc.,' but (as Mr M'Crindle correctly translates) 'The Catheans enjoyed the highest reputation for courage. and the same war-like spirit characterised the Oxydracae etc.' There is no evidence for a confederation.

[4] The site is uncertain. Anspach conjectures Jandiāla.

[5] The site of the domain of Saubhūti cannot be determined more precisely from the contradictory statements of the Greek authorities. Dr Vincent Smith uses the statement of Strabo as to the mountain of salt (Strabo xv, C. 700) to fix the principality to

he struck coins with his name in Greek as Sophytes[1]. It was now apparently that he first saw the Yavanas as the invaders of his territory and had the prudence to make friends with them. He entertained the Macedonian king with splendour; the strength and tenacity of his great hunting dogs, of which he gave an exhibition, was what impressed the Europeans more than anything else[2].

Still eastwards the European host marched and came to the fifth river, the Hyphasis (modern Beās). The Sutlej remained (some 80 miles by the road from Gurdāspur to Rūpar) as the only considerable river of the Indus system after that to cross; and then another river-system would be reached, that which empties itself through the Ganges into the Eastern Sea. Already the ears of Alexander were filled with accounts of the great kingdom of Magadha on the Ganges, of its populousness and splendour and power. His chief informant apparently was a rāja of the neighbourhood, Bhagala, who had submitted to the invader[3]. Was it an enterprise which a man in his senses could undertake, to attempt the subjugation of such a country with an army already nearly three thousand miles from its home? Some modern historians maintain that Alexander had too sound a sense of possibilities to have thought of it. But the ancient historians affirm that he saw himself in anticipation arriving victorious at the utmost bound of the earth on the Eastern Sea. We may believe that his astounding success had indeed made nothing seem impossible to him, that his judgment of things was no longer completely sane: we may also believe that, although he knew some great and powerful nations still remained to be subdued, before he could round off his conquest of the eastern world, he did not know the full extent of the East—that Further India, for instance, and China lay altogether outside his knowledge[4]. It is not unlikely that he may seriously have thought it practicable to make himself king of the whole inhabited earth. But on the banks of the Hyphasis (Beās),

the Salt Range between the Jhelum and the Indus. Against this identification is the difficulty that the contradictory statements in our sources all agree at any rate in placing the principality east of the Jhelum. Even in Arrian VI, 2, 2, the royal seat of Sopeithes is on the *left* bank of the river. The salt mines of Mandī, on the other hand, to which Droysen refers, lie, one would think, much too far to the east.

[1] *V. inf.* p 388 and Pl I, 17.

[2] Diod. XVII, 91, 92.

[3] Phegelis in the MSS. of Curtius IX, 2, 2; Phegeus in Diod. XVII, 93. See Sylvain Lévi, *Journ. Asiat.* 8me sér vol. XV (1890), p. 239.

[4] How hazy Alexander's geographical notions were at this time is shown by the statement of Nearchus (who was in a position to know) that Alexander, on first coming to the Acesines and seeing Egyptian beans there, supposed that this was the same river which ultimately turned into the Nile. Strabo XV, C. 696.

somewhere near the modern Gurdāspur, an imperious check await
him. The army, which had followed him thus far, suddenly struc
all the personal magnetism, all the stirring and indignant appe
of the king could not induce the stout Macedonian countrymen
go a step further. For three days he shut himself in his tent, a
the battle of wills remained in grim deadlock. At last the ki
recognised the bitter necessity of giving up his ambitions ha
fulfilled. To save his face probably, he offered sacrifice again
the Greek gods, as preliminary to crossing the river and th
discovered that the omens were unfavourable. After that he ga
the word for the retreat. But first, in his romantic imaginative ve
he made the army build twelve gigantic altars, like towers, up
the banks of the Hyphasis, to show to future times how far in
the East Alexander had come. One account says that later on t
Mauryan kings used to offer sacrifice in the Yavana manner up
those altars[1]. All trace of them has long since disappeared.

So India, about the end of July 326 B.C.[2], saw the wave
European invasion, which had washed thus far, begin to ebb, ba
to the Hydraōtes, back to the Acesines, where a certain number
the Greek veterans were ordered to fix themselves for good in t
city which Hephaestion had been building, back to the Hydasp
The thoughts of Alexander were now turning in another directio
If the most easterly waters of the Indus river-system were for t
time being to bound his empire, he would at any rate pass alo
his frontier, pursue the course of the Indus to the Ocean a
return by the sea-board to Babylon. He had to organise t
conquered portion of India on a basis that would endure when t
European army had departed. And he forecast a different Punj
from the one he had found. Instead of a multiplicity of riv
princes and independent tribes, all the country from the Hydasp
to the Hyphasis was to form one kingdom under the Paurav
Another large principality was created for Āmbhi west of t
Hydaspes. Similarly in Kashmīr, the rāja of Abhisāra, who
embassies and presents had at last convinced Alexander of h
loyalty, was given extended authority, and his neighbouring rā
of Uraçā (Hazāra), called by the Greeks Arsaces, was ordered
regard him as overlord. But if the free tribes, as independe
powers, were suppressed, Alexander would leave a new element

[1] Plut. *Alex.* 62. It is doubtful whether these altars were on the right or left ba
of the river. Pliny, VI, § 62, puts them on the eastern bank, but the historians s
nothing of Alexander's crossing the Hyphasis. Plutarch's phrase about the Maury
kings, *διαβαίνοντες* (not *διαβάντες*) *σέβονται* is ambiguous.

[2] Anspach, note 269.

the country, which might to some extent counterpoise the powe of the kings—the new cities of European men, or Europeans an Indians mingled, plants of Hellenism in a strange soil. The rudi mentary walls of Bucephala and Nicaea on the Hydaspes Alexande found on his return damaged by the rains, and the army had to buil them stronger before it moved in the new direction down the rivei

The autumn at the new cities was spent in preparing a fleet to transport a part of the army and the horses by water. Th conduct of this was entrusted to the Cretan Nearchus. The res of the army, now swelled by reinforcements from the West[2], wa to accompany them on either bank. Philip, the satrap of th province between the Hydaspes and the Hindu Kush, was ordere to follow three days' journey behind with the force under his com mand. The scene at setting out is described to us in some detail It was probably a day in November 326 B.C. At daybreak th king, standing in the sight of all on the prow of his vessel, poure from a golden bowl libations to the Rivers—the Hydaspes, th Acesines, and the Indus—to Heracles his ancestor, to the Egyptia god Amun, and the deities, Greek or foreign, whom he was won to invoke. Then a trumpet sounded for the start. The fleet pre sented a picture of impressive order, the grouping and interval being precisely regulated. But the extraordinary mixture of nation alities and garb must have satisfied the eye with variety and colour while to the ear the noise of the rowing and the shouts in a hundred different tongues made a bewildering volume of sound Amongst the crews of the boats the Egyptians, the Phoenicians and the Cypriots were prominent. Beside the Macedonian anc Greek troops, the Indians ran in crowds along the banks, speeding the fleet with songs, 'in their barbaric way,' says the Greek author 'No nation,' he explains, 'is fonder of singing and dancing than the Indian[3].'

This novel armada glided down the Hydaspes, past jungles and villages, and in ten days from the start reached the confluence of the Hydaspes and the Acesines. Two divisions under Hephaestion and Craterus respectively marched along the two banks, and the satrap Philip, who had overtaken the fleet at its first halting, had been sent across to the Acesines to march down this river to the confluence. Some of the peoples along the banks—such as the Sibae, whose garb of shaggy skins and clubs made the Europeans

[1] On the varying statements as to the numbers of ships, see Anspach, note 278. Anspach supposes that about a thousand is the most probable estimate.

[2] Diod. XVII, 95, 4; Curt. IX, 3, 21.

[3] Arr. VI, 3, 5.

MAP 4

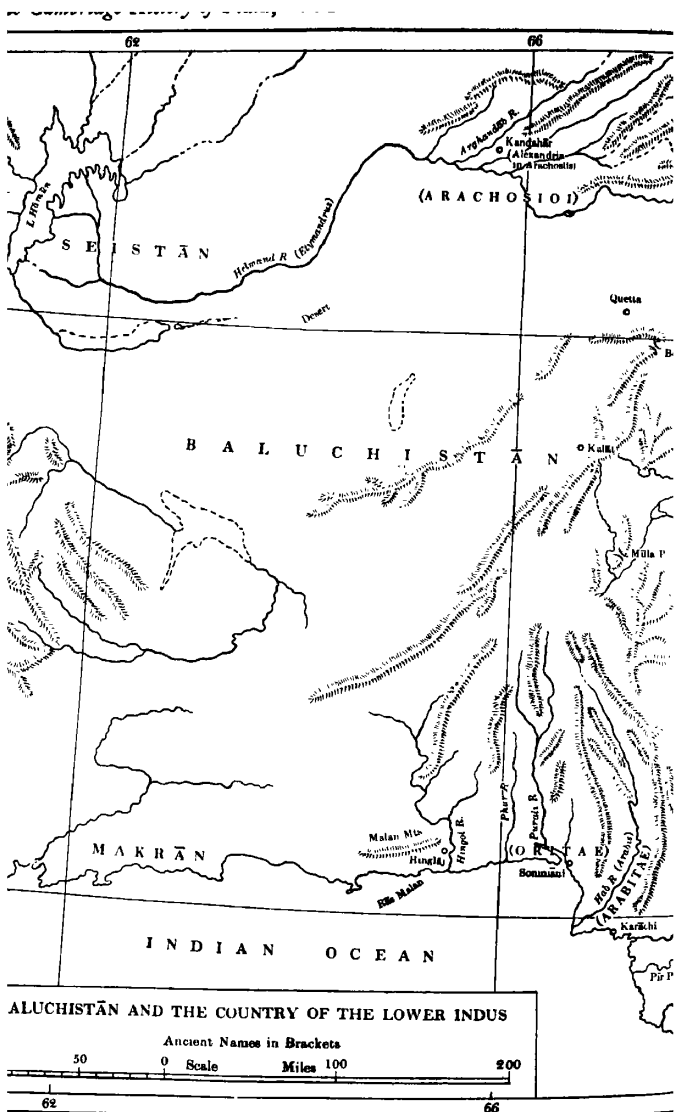
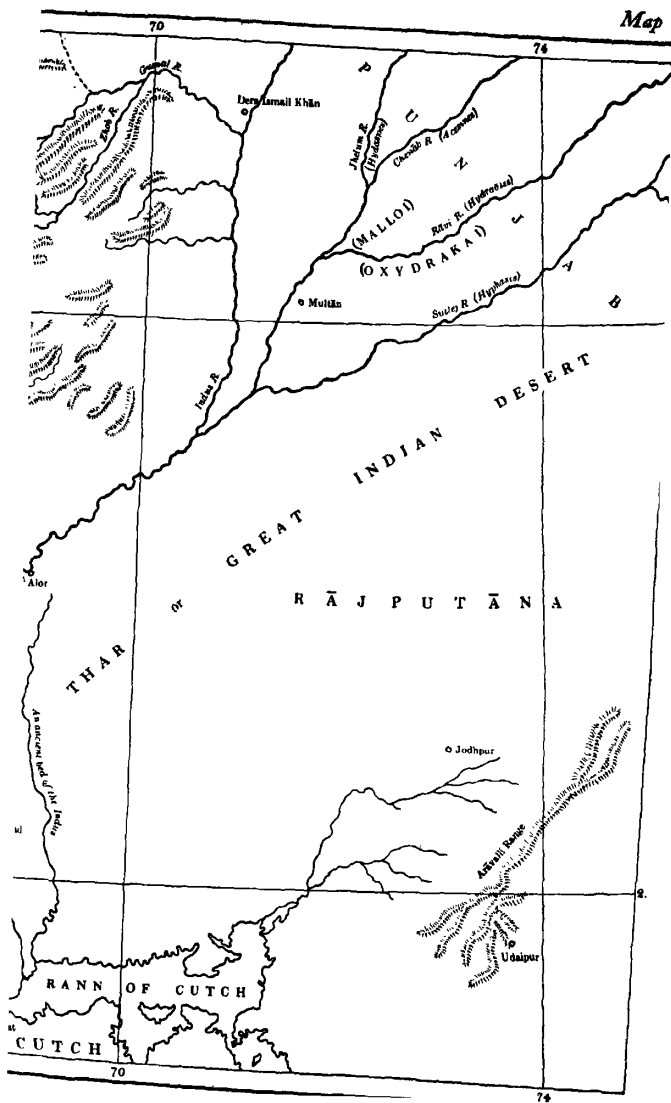
BALUCHISTĀN
AND
THE COUNTRY OF THE LOWER

ALUCHISTĀN AND THE COUNTRY OF THE LOWER INDUS

Ancient Names in Brackets

Scale Miles 50 0 100 200

62 66

SEISTĀN
L. Hāmūn
Helmand R. (Etymandrus)
Arghandāb R.
Kandahār (Alexandria in Arachosiis)
(ARACHOSIOI)
Desert
Quetta
BALUCHISTĀN
Kalāt
Mūla P.
MAKRĀN
Malan Mts.
Hinglāj
Hingol R.
Phur R.
Purali R.
(ORITAE)
Sonmiāni
Hab R. (Arabis)
(ARABITAE)
Rās Malan
Karāchi
Pir P.
INDIAN OCEAN

take them for descendants of the companions of their own Herac
—offered submission. The resistance of others was easily suppress
But further down stream a strong confederation of free tribes w
awaiting the Europeans with a high courage. These were a tri
called Mālavas (in Greek Malloi)[1], between the lower Hydraō
and the Acesines, and the Kshudrakas (in Greek Oxydrakai) hig
up the Hydraōtes, between that river and the Hyphasis[2]. T
rapids at the meeting of the Hydaspes and the Acesines[3] gave so
trouble to the fleet, and two boats foundered. On the fronti
of the Mālavas the whole European force—the fleet and t
three divisions of Craterus, Hephaestion, and Philip re-assembl
The fleet was now sent on under Nearchus three days in advan
with orders to wait for the land-force at the next confluence, th
of the Acesines and the Hydraōtes. The land-force was broken
anew into different divisions for the attack on the Mālavas. W
a suddenness which disconcerted their plans the Indian tribesm
found Alexander in their midst. The first of their cities to
attacked was on the edge of a tract of sandy desert, from whi
one morning early a force of mounted Macedonians, with the ki
at its head, broke upon it, having ridden all night across t
waste. And here first was enacted what was repeated in city aft
city of the confederacy—the attack, the capture, the massac
Many of the inhabitants of these places escaped to the jungles
across the Hydraōtes: many were captured by the Macedonians
their flight and slaughtered. It was at the storming of one
these towns[4] that the king exposed his person in a way whi
nearly cost his life. We may probably infer that the morale of t
European army, fighting across the interminable spaces of th
strange land, had begun to decline, that such desperate expedie
on the part of the great leader were necessary. Alexander, reac
ing the top of the citadel wall among the first, stood there for o
moment in his shining armour, a mark for the defenders' dar
and then leapt down almost alone on the inner side. There he sto
with his back to the wall, beating off the crowd of his assailan

[1] The Mālavas of the Punjab and the Kshudrakas are associated in Sanskrit literatu

[2] Anspach, note 316.

[3] The place of the confluence in 326 B.C. has not been ascertained; see Vinc Smith, pp. 92, 93. It would seem that so far geographical researches such as th of Major G. H. Raverty (*J.A.S.B.* for 1892, pt. I) have a mainly negative value showing the rashness of the older identifications rather than a positive value establishing new ones. If either the statements in our texts had been less va or the river beds less changeable the case would not have been so hopeless.

[4] Being in the country of the Mālavas, north of the confluence of the Acesines a Hydraōtes, the town cannot have been Multān, which lies south of the confluence.

while the Macedonian nobleman Peucestes held over him the sacred shield which had been taken from the temple of Athena at Ilium and was believed to have been carried in the Trojan War. By the time that his army, frantic, had broken into the citadel, Alexander was lying with a severe wound in his breast. The Macedonians believed that their king was killed and gave way to a fury of blood-lust, sparing neither woman nor child in the city. But Alexander recovered, and, as soon as he could be moved, was carried by boat down the Hydraōtes, near which river the town stood, to the main camp at the confluence of the Hydraōtes and the Acesines.

The terror of the European host had now broken the spirits of the Mālavas, and their surviving headmen, as well as the headmen of the Kshudrakas, came to the camp, tendering their submission. According to the Greek historian, they urged that their crime was after all the love of freedom, but that, Alexander being apparently more than man, they were ready to obey any governor he might appoint and pay tribute. They sent a thousand of their best men as hostages. When the armament continued its progress down stream, Alexander left the Mālavas and Kshudrakas attached to the satrapy of Philip; but the thousand hostages he sent back to their homes.

Still down the unending stream the Europeans floated or marched, through the territories of other tribes whose names our books record in the form the Greek tongue gave them—Abastanes, Xathri, Ossadii—who submitted in prudence or by compulsion. At length they came to the last confluence, where the Acesines, carrying in it the waters of the other three rivers, united in those days with the Indus and a single vast stream rolled down towards the ocean. Here again the armament halted, some time in the cold season at the beginning of 325 B.C. The great shifting of the river beds in this region makes it impossible to know the site to-day. The point seemed one for planting another Hellenistic city. Alexander foresaw it in the age to come a great place of traffic, rich and splendid. This point too seemed to be a fit southern limit for the satrapy of Philip, reaching northwards as it did to the foothills of the Himālayas above Takshaçilā. A change was also made in the governorship of the province of the Hindu Kush (Paropanisadae). Tyriespes was replaced by another great Irānian lord, Alexander's father-in-law, Oxyartes, who arrived in camp about this time[1].

[1] The coupling of Oxyartes with Pithon as satrap of Sind is almost certainly a textual corruption. See Vincent Smith, p. 99, note 1. It is strange that Niese (I, p. 508) still accepts it without a note of suspicion.

The country along the Indus below the confluence presented the Europeans with some conditions they had not met with in the parts of India hitherto traversed. The Brāhmans here had a more effective ascendancy. The Greek observer saw men eating together in great companies, and thought of the public meals of the Spartans[1]. In its political organisation this region was unlike the country of free tribes, through which the Europeans had been passing. Here once more they found principalities ruled by rājas, whose mutual enmity gave the foreigners an opening. Alexander first sailed down the river to the 'Royal seat' (*basileion*) of the Sogdi, and here founded another Alexandria, marking out docks again for the commerce which he foresaw under Greek initiative in the new age. The site is unidentified and the name Sogdi furnishes a basis for nothing more than unverifiable guessing. Already, it would appear, Alexander designated Sind from the Indus confluence to the ocean as a satrapy of the Empire, and appointed a certain Pithon, son of Agenor, to be its governor.

The greatest prince of the country between the confluence and the delta was one whom the Greeks called Musicanus (Mousikanos) possibly a title denoting 'the chief of the Mūshikas[2].' As in the case of the Paurava and his fellow chiefs, the dread of the foreigner was apt to be less than the dread of the strong neighbour. A native chief whom our texts call Sambus or Sabus (Çambhu ?), at feud with Musicanus, hastened to make friends with the invaders and was nominated by Alexander satrap of some hill district lying back from the river. Musicanus seems to have contemplated resistance; he sent no envoys to the European king. But he was not prepared for the rapidity of Alexander's movements, who was again upon his enemies before they were aware. Submission seemed the only way; the Europeans were admitted to the goodly city, which was the rāja's capital[3], and a European garrison was put in its citadel. Subject however to the supremacy of Alexander, Musicanus was left his former state and authority, as the Paurava had been, and Āmbhi and the rāja of Abhisāra. Another chief of the district, 'Oxycanus' or 'Porticanus,' attempted resistance, but found that the walls in which he trusted were frail defence against the battering engines of the European. The people of the land, our Greek author says, were paralysed by the belief in Alexander's super-human power.

[1] Strabo xv, C. 701.

[2] This is extremely doubtful. The Mūshikas who are mentioned in Sanskrit literature belong to Southern India.

[3] Not improbably Alor.

But still, as before, it proved difficult to extend friendship to one of these jealous rājas without alienating his old rivals. Musicanus left upon his throne made it seem to Sambus that he had given himself to the foreigner for nothing. He now therefore renounced his allegiance. His capital Sindimana (site unidentified) opened its gates however at Alexander's approach, and the little revolt was crushed.

But the Europeans in this region had more implacable enemies than the native princes. The power behind the throne was the Brāhman community, and here for the first time we come upon an opposition inspired by the conception of a national religion, the only germ to be found in ancient times of the idea of Indian nationality. It was the 'philosophers' (i.e. the Brāhmans) who denounced the princes, if they submitted to the foreigner, and goaded the free tribes into revolt[1]. A 'city of Brāhmans'[2] had to be stormed, whilst the operations against Sambus were going on[3]. Musicanus now was induced to throw off allegiance. But it was the day of the Yavana's power. The newly-appointed governor of Sind, Pithon, swept down upon him, and brought him a prisoner to the king. He was treated as rebels were treated by the custom of the old Persian kings, on whose seat Alexander sat. His body was hanged on a gibbet in his own land. The Europeans knew, however, who were their worst enemies, and their hand fell heavily upon the Brāhmans. They were put to death wholesale; their bodies too were hung up for the kites and vultures by the roads—to the unspeakable horror, we may believe, of the people of the land.

On the lower Indus the coming of the Europeans was anticipated with terror. At the point[4] where the Indus in those days divided into its two branches was situate the great city of Pattala. The author followed by Diodorus (XVII, 104) stated that it was ruled, like Sparta, by two kings and a council of elders. If that is so, it must have been one of these kings who journeyed up stream to pay homage to Alexander, presumably the same person whom one authority calls Moeris[5]. But it was only to gain time. As soon as he came back to Pattala, he and a large part of the population abandoned the place and fled.

Before Alexander came to Pattala, the great European host which had invaded India had begun to break up. From the

[1] Plutarch, *Alex.* 59. [2] Diod. XVII, 103, 1. [3] Arr. VI, 16, 5.

[4] Near Bahmanābād according to Vincent Smith; about 80 miles S.E. of Hyderābād, according to Holdich.

[5] Curt. IX, 8, 28.

country of Musicanus about a third of the infantry, portions of the other arms, and all the elephants which had been acquired in India, were put under Craterus, to march home by way of Kandahār and Seistān. With the remainder Alexander continued his course down stream. It was about the middle of July 325[1] when the Europeans reached Pattala. They found everything deserted. The fugitive population however was overtaken by Alexander's emissaries and persuaded for the most part to return. Pattala, commanding the two outlets of the Indus to the ocean, was another place for which Alexander forecast a great commercial future, and new walls were soon rising round its citadel under Hephaestion's direction. Pithon the satrap had been left higher up stream to draft the European soldiers who were to form the nucleus of the population in the new cities of his province, and to stamp out any embers of revolt which might be still smouldering. Alexander himself with the handiest ships set off to explore the western arm of the river. It was only after some more or less unfortunate attempts at navigation on their own account that the Europeans discovered some natives of the deserted country, who steered the vessels down to the ocean. It was probably at a point near the medieval Dēbal[2] that this branch of the river then reached it. There the tide was a new and alarming phenomenon to men who knew only the Mediterranean. On two little islands, one in the mouth of the river and one lying outside in the Indian Ocean, the Yavana king made offerings to the gods who had been prescribed to him by the Egyptian oracle of Amun in the African desert. Then he sailed a little way into the open sea, and shed into the Indian Ocean the blood of bulls sacrificed to the Greek god Poseidon.

Alexander returned to Pattala, to find Pithon arrived there, his task accomplished; and Hephaestion now set about the construction of quays and docks against the city's future greatness. The king explored the eastern branch of the river which ran out probably near the modern Lakhpat[3]. Everywhere his quick eye seized the points subservient to the realisation of that image which fired his imagination—the Indus a great highway of the world's traffic with a chain of flourishing semi-Greek mercantile cities. On the shores of a lake through which he passed (the

[1] *Περὶ Κυνὸς ἐπιτολήν*, Strabo xv, C. 692; cf. Anspach, note 414.

[2] Dēbal itself has now disappeared: its site was near the existing shrine of Pīr Patho, see Vincent Smith, p. 104, and Tomaschek, p. 9.

[3] Tomaschek, *Topographische Erläuterung*, p. 6.

Rann of Cutch?) he designed more quays and docks; on the coast, he mapped out places for wells[1]. Then he again returned to Pattala and sent bodies of men down the river to begin the work.

The plan which Alexander had formed for his return to the West involved his own marching through the sands of the Makrān, the southern border of the Empire, and the passage of the fleet along the coast from the mouth of the Indus to the Persian Gulf. The latter enterprise was to be directed by the Cretan Nearchus, who had been responsible for the navigation of the river.

Some time apparently in September 325[2] India saw the Yavana columns move out of Pattala on the homeward road. It was some three years and a half since the brilliant figure of the warrior king had issued from the highlands of Kandahār to enter the confines of the Indian world: for the last year and a half he had flashed, a more than human wonder, before the eyes of the peoples of the Punjab and Sind; now his meteoric appearance in India was coming to its end, and obscurity falls once more on Indian history. Alexander started with the land-force, except such troops as were left with the satraps in the Indian provinces, for the river Hab[3]. The naval armament remained at Pattala with Nearchus, till the latter part of October, when the monsoon would change. Alexander again, when he approached the Hab, found the country empty; the tribesmen, a people of Dravidian stock, Arava, whom the Greeks called Arabitae, had deserted their villages in terror. The Europeans crossed the river (now the frontier of India and Baluchistān) into the country of the Oritae, who still, being Dravidians, belonged ethnologically to India[4]. Here some opposition, ineffectual enough, was made to the passage of the foreigners. One of the large villages of the Oritae, Rhambacia[5], was occupied and destined for another Greek Alexandria[6]. Its new population was compounded largely of people from the Pashtu country (Arachosians)[7].

When Alexander passed on into the country of the Gedrosians (crossing from the basin of the Purali into that of the Phur) he left a European satrap, Apollophanes, to rule the territory of the

[1] General Haig says (*Indus Delta Country*, p. 22) that the idea of wells in this region is an absurdity. The shifting of the coast-line makes it a problem, to what region exactly the statement of our ancient author applies.

[2] About Sept. 1, Anspach.

[3] Tomaschek, *Topographische Erläuterung*, p. 16.

[4] Tomaschek connects their name with the Tamil *ur* 'village,' 'place,' *Topographische Erläuterung*, p. 19.

[5] Sonmiāni, according to Tomaschek.

[6] This is identifying Rhambacia with the Alexandria of Diodorus XVII, 104, 8.

[7] Curtius IX, 10, 7.

Oritae, and one of his chief captains Leonnatus remained temporarily with a force in the district to drive home upon the Oritae that they were now the subjects of a great Empire, and to carry out the scheme of Greek colonisation. Leonnatus had some stiff fighting—one battle in which the loss on the native side is said to have been 6000 killed, whilst on the European side the loss, though numerically insignificant, included the satrap Apollophanes.

Alexander, having crossed into Gedrosia, kept down as near the coast as possible, in order to dig wells and establish depots for food which might serve the fleet. It was a burning and arid land, rich only in aromatic shrubs, and the barrier of the Malan range seems to have forced the European army into a still more appalling region inland. They would have reached it by way of the Hingol valley, in which the Hinglāj shrine is now the last great place of Hindu pilgrimage towards the West.

In entering that waterless inferno, from which he emerged, sixty days after leaving the country of the Oritae, with decimated forces, Alexander passes out of the field of Indian history. And yet there is one scene which took place that year in Persia of interest to the Indian historian. The ascetic from Takshaçilā, whom the Greeks called Kalanos, continued to be a notable figure amongst the men of war and philosophers surrounding the king. Suddenly in Persia he announced his resolution to live no longer. Nothing that Alexander could say availed to move him. Then by the king's command a pyre was erected for the sage and he was conducted to it with pomp. He was borne on a litter, garlanded in the Indian way and chanting in a tongue which the Yavanas could not understand. He was chanting hymns, some Indians explained, in praise of the gods. In sight of all the army he ascended the pyre and adopted the due posture. The pyre had been covered with gold and silver vessels and precious stuffs, and these the Indian first distributed to his friends. Then, as the torch was applied, the Yavana trumpets sounded all together, and the army shouted as they were wont to shout going into battle, and the Indian elephants uttered their peculiar cry. As the flames mounted and wrapped the figure of the sage, the onlookers saw it still motionless. This was the way in which Kalanos chose to take leave of the Yavanas[1].

Nearchus, according to Alexander's original plan, was to have taken station at the eastern mouth of the Indus and set sail at the end of October (325) when the monsoon changed. But before

[1] Arr. vii, 8; Strabo xv C. 717.

Alexander left, it may have appeared that such a station would be exposed to an attack from the mass of Indian fugitives who had taken refuge in the jungles east of Sind. Alexander at any rate transferred the fleet to the western mouth, to wait for the favourable wind. But even here, as soon as Alexander was gone, revolts broke out, making the position of the Europeans untenable, and Nearchus was obliged to start, sooner than had been intended, during the last few days of September[1].

The account which Nearchus left of his voyage lay before Strabo and Arrian, as well as the subsidiary, more anecdotal, account of Onescritus, who acted as pilot. Through later writers we still possess an abstract of the book of Nearchus. To fit the names in it to modern sites is, of course, an interesting geographical puzzle, which will never perhaps be made out with certainty. The place from which the fleet started, 'Wooden Town' (Xylinē Polis) the changes in the coast line have made indiscoverable. The haven to which the Greeks came after some days' sail, and which they named 'Alexander's Haven,' perhaps corresponded in position with Karāchi. Here the Greeks waited twenty-five days for the wind to change. They built a stone wall round their camp on shore to protect it from the Arava tribesmen, and spent their enforced leisure in fishing up oysters and mussels from the sea. At the mouth of the Hab river (Arabis) they again came to a good harbour (Pliny's statement that Nearchus built a town there is probably a misunderstanding). Beyond the Hab river they coasted along the country of the Oritae, where Leonnatus either just before or soon after fought his decisive battle with the tribesmen. Nearchus does not seem to have detected the mouth of the Purali, where Hephaestion had just traced the walls of an Alexandria, but at Cocala, probably somewhere near, fresh stores had been deposited for the fleet by Alexander's order, and there was an exchange of men between Nearchus and Leonnatus. At the mouth of the river Tomerus (Hingol) the Greeks found some 600 half-naked inhabitants 'living in stuffy huts' who made show of hostility, but were easily put to flight by the mail-clad Europeans. Here they remained five days to repair the ships, and then sailed on past the promontory of Malana (modern Rās Malan) the limit of the Oritae and of India[2].

[1] Strabo xv, C. 721.

[2] Sir Thomas Holdich's book, *The Gates of India*, reconstructs the voyage of Nearchus on the old hypothesis that the Arabis is the Purali. The important work of Tomaschek Sir Thomas does not seem to know.

Alexander had come and gone. Was the European irruption a violent episode which left India unchanged? And, if so, was that due to an essential unchangeableness in India under impact from without? One may notice first that nothing was farther from Alexander's own thought than that his invasion of India was a mere raid. He left the Punjab and Sind solidly attached, he believed, to his world-empire. Let us glance once more at the conditions there in the year 324 B.C. The country fell into three divisions. There was first the satrapy of Philip the son of Machatas. It is impossible to make out with certainty what its confines were. Philip first appears (unless he is identical with the commandant of the garrison in Pushkalāvatī[1]) as satrap in Takshaçilā[2], and we gather that there was then combined under his authority the principality of Āmbhi and what had been the satrapy of Nicanor in the lower Kābul Valley[3], as far as the passes over the Hindu Kush into Bactria[4]. He accompanies Alexander's expedition down the Hydaspes (Jhelum) and is made satrap of a province extending as far south as the confluence of the Indus and Acesines[5] (Chenāb). We do not however know whether this new appointment was in addition to, or in lieu of, his previous satrapy. If the former, his extensive satrapy continued to embrace the principality of Āmbhi, and we do not know how the double rule of Macedonian satrap and native prince was adjusted. A second division was the satrapy of Pithon the son of Agenor, covering Sind from the Indus confluence to the ocean and extending westward to the Hab. A third was the large principality of the Paurava prince, extending from the Hydaspes (Jhelum) to the Hyphasis (Beās). Here there was no division of authority between prince and satrap, but the Indian acted in both capacities himself[6]. A fourth satrapy lay outside India, but within the river system of the Indus—that of the Paropanisidae (the Hindu Kush) with Alexandria-under-the-Caucasus for its capital. This was the satrapy held by Oxyartes, Alexander's father-in-law. There was finally a fifth district in somewhat looser connexion with the Empire, Abhisāra in Kashmīr, whose ruler, as we have seen, had been enabled by Macedonian influence to establish his authority over the smaller rājas in his neighbourhood.

The European rule was supported by an army of occupation. Its numbers are not told us, but it included Macedonians and

[1] Arr. IV, 28, 6.
[2] Arr. V, 8, 3.
[3] Arr. IV, 28, 6.
[4] Arr. VI, 2, 3; Anspach deletes ὡς ἐπὶ Βακτρίων γῆς, note 200.
[5] Arr. VI, 15, 2.
[6] Plut. *Alex.* 60.

Greek mercenaries. Besides these Philip had at his disposal a considerable body of Thracians. The commander of this corps was a Macedonian destined to play a conspicuous part in the near future, Eudamus the son of Crateuas, a native of the region south of the Ostrovo Lake, and brother of one of the Seven who constituted the king's special body-guard[1].

The army of occupation was, no doubt, in large part distributed through the new cities, which were intended in Alexander's design, not only to give the European root in the country, but to quicken India through Greek intelligence and enterprise to new developments of commercial activity and material splendour. There these little bodies of Europeans remained, when Alexander was gone, enclosed within their fresh-built walls, subject, it would seem, to the Macedonian satraps but not to the native princes[2], urged by the king's command to build docks and quays and reproduce the life of Greek cities upon the rivers of India.

We know, of course, that Alexander's dream came to nothing. The European in India faded away. But it is a mistake when we judge the dream by its actual result. For the experiment was never really tried; it was frustrated at its inception by an event which no one could have foreseen,—Alexander's premature death, without an adequate heir, less than two years after he quitted India. The realisation of the dream all depended upon the Empire's holding together for a century or two. Had Alexander lived to a normal age, there is no reason why it should not have done so. As it was, the rapidly constructed fabric, its cement still soft, fell quickly to pieces. If a military occupation of eight years or so left no permanent trace upon the north-west of India, we can hardly infer from that the essential unreceptiveness of India for Hellenism. Had the occupation been prolonged for a series of generations, the result might have been very different. The idea, ineradicable from modern journalism, that 'the East' (whatever that vague term may denote) is by its nature impervious to the rationalistic culture of ancient Greece and modern Europe is not supported by the facts, either by what happened in ancient Syria, or what happened in the Muhammadan kingdoms of the Middle Ages, or by what is happening to-day in India, China, and Japan. When the rest of the East, after the passage of phalanx and legion, 'plunged in thought again,' it was thought profoundly modified by the Greek

[1] Arr. VI, 15, 2; 28, 4; Curt. X, 1, 21; Diod. XIX, 14, 1.

[2] 'In colonias in Indis conditas Pithon Agenoris filius mittitur,' Justin XIII, 4, 21, quoted by Niese (p. 504).

schoolmaster who followed in the soldier's train. In India Hellenic rationalism[1] would have come into contact with more elaborate homegrown systems of imaginative thought or intuition than the nearer East afforded. What would have happened we cannot say; but that the contact would have left either unaffected is highly improbable.

The European invasion of India was an event of too great magnitude not to have far-reaching consequences. As other overflowings of foreign conquests have done, it swept away internal barriers which prevented the unification of the lands concerned. The confederacies of free tribes, which had maintained their proud isolation from other political systems, were left utterly broken. Smaller principalities were swallowed up in a realm such as that given by Alexander to the Paurava. This, no doubt, made it a simpler matter for the Maurya king a few years later to take these countries into his great Indian empire.

The contact of India with the Greek world did not cease with the disruption of Alexander's empire. What can be traced of later political connexions between Indian and Hellenistic kings will be exhibited in another chapter. Any influences which can ultimately be shown to have reached India from the Greek West, whether through the medium of Seleucid or Bactrian kings or of the Roman Empire, which took up the inheritance of Hellenism in Asia, may be regarded as consequences of the work of Alexander. If they were not consequences of the work which Alexander did in India, they were, in any case, consequences of the work which he did when he established Hellenism in Irān, Syria, Asia Minor, and Egypt. India indeed and the Greek world only touched each other on their fringes, and there was never a chance for elements of the Hellenistic tradition to strike root in India, as a part of Hellenism struck root in the Nearer East and was still vital in the Muhammadan, largely Hellenistic, culture of the Middle Ages. There are, however, the two unquestionable cases of transmission, which will be noted in subsequent chapters—the artistic types conveyed by the school of Gandhāra, and the Greek astronomy which superseded the primitive native system in the latter part of the fourth century A.D.

When Alexander died, it was plain that the imperial system in India was as yet anything but secure. It was not only a case of the people of the land proving restive; the Europeans themselves

[1] A chance light is thrown on Alexander's intentions 'Ichthyophagos vetuit piscibus vivere,' Plin. *N.H.* VI, § 95; cf. Curt. VIII, 8, 12.

did not form a harmonious community. Although thousands of Greeks had fought, as mercenaries or allies, side by side with the Macedonians in the conquest of Asia, and to the Asiatics, no doubt appeared indistinguishably as Yavanas, neither kindred people loved the other. It was specially Greek veterans whom Alexander had settled in his new eastern cities[1]. In Bactria and Sogdiana we know that they had been settled very much against their will and tried at the first opportunity to make their way home. Their settlement in the remote colonies was sometimes a punishment for disaffection[2]. We may conclude that the Greeks who had been planted in the Punjab did not find their surroundings congenial. Within a few months apparently of Alexander's departure, the Greek mercenaries under Philip rose in mutiny. Philip received a mortal wound. Instantly his Macedonian guards avenged his death upon the Greeks. Then orders came from Alexander that till a satrap was appointed to succeed Philip, the province should be administered by the rāja of Takshaçilā and Eudamus, the commander of the Thracians. This provisional arrangement was apparently still in force, when the news reached India in the summer of 323 B.C. that the great king was dead. Suddenly in Babylon his designs for conquest and organisation had come to an end.

ATHENIAN AND MACEDONIAN COINS IN INDIA

It is difficult to say how far the currency of India was immediately affected by Alexander's conquest. In the end, of course, it must have been profoundly modified by the disappearance of the Persian *sigloi*, the issue of which did not long survive the overthrow of Darius III, as well as by the stimulus which native art undoubtedly received as a result of the Greek invasion. But the change did not come all at once, and the task of determining the exact course that events followed is rendered virtually impossible by the lack of trustworthy evidence. It is, indeed, often stated that India was one of the many quarters of the ancient world into which the silver tetradrachms of Athens made their way, and also that imitations of Athenian coins are found from time to time in the Punjab. If these statements could be confirmed, they would furnish at least one definite clue. A demand for local copies would only arise when the supply of originals ran short, and such a shortage could most readily be accounted for by connecting it with the paralysis that overtook

[1] Arr. v, 27, 5.

[2] Justin XII, 5, 8, and 13.

the Athenian mint when the city was finally crushed beneath the heel of Macedon. Indian imitations might, therefore, be assigned with reasonable confidence to the period of Macedonian supremacy. As a matter of fact, however, enquiry has failed to bring to light any trustworthy records of the actual discovery of 'owls' in India, while the imitations acquired by the British Museum at Rāwalpindi appear to have been brought without exception from the northern side of the frontier and thus to be of Central Asian, rather than of Indian, origin. Precisely the same difficulty besets any attempt to establish an intimate connexion between India itself and those coins of a Macedonian character which are usually described as being of Indian provenance; in all definitely ascertained cases the 'find-spot' lies beyond the Hindu Kush. Nevertheless, as fresh testimony may at any moment emerge, it seems desirable to enumerate briefly the more important of the issues concerned.

The imitations of Athenian tetradrachms fall into two distinct groups. The first of these (Pl. I, 7) approximates fairly closely to the original model. One variety, however,—represented both in the Bodleian and in the British Museum (Pl. I, 8)—reads, not AΘE, but AIΓ, which Head interprets as perhaps referring to the Aigloi, whom Herodotus (III, 92) mentions as dwelling to the north of the Bactrians. The second group (Pl. I, 9, 10) is characterised by a softer style, by the presence of the monogram ℟, and by the use of a bunch of grapes as a symbol. The difference between the two is emphasised by the fact that, whereas the dies from which coins belonging to the first are struck have lain at all conceivable angles relatively to one another, the types of the coins belonging to the second are adjusted (↑↓) with a nicety which points to the employment of a hinge or of some equally effective mechanical contrivance. Further, while the first group appears to consist solely of tetradrachms, the second includes also didrachms and drachms (Pl. I, 11, 12). These smaller denominations are remarkable in that they are not minted, like the tetradrachms, on the Attic standard, which has a maximum weight of 67·5 grains (4·37 grammes) to the drachm, but on a standard in which the drachm seems to have weighed at the outside no more than 58 grains (3·75 grammes). In this and other respects they link themselves naturally to a set of drachms and diobols which are struck from regularly adjusted dies (↑↓), but in which the place of the Athenian owl is taken by an eagle, looking backwards (Pl. I, 13). On the drachms and diobols just referred to, the bunch of grapes

still figures as a symbol. In one instance it is accompanied b[y] a caduceus.

Some ground for thinking that at least the smaller Athenia[n] imitations were not unfamiliar in the north of India is furnishe[d] by a notable series of silver drachms of Attic weight (Pl. I, 17), fo[r] the actual finding of which in the Punjab General Cunningham i[s] able to vouch. They are struck from regularly adjusted dies (↑↓) and these dies have been cut by a Greek artist who signs himsel[f] M or MN. The obverse shows the head of a warrior wearing [a] close-fitting helmet, wreathed with olive, while the reverse has [a] cock standing to right with a caduceus behind. The legend i[s] ΣΩΦΥΤΟΥ. Apart from the circumstance that a unique tri[-]hemiobol in the Berlin Museum has the head of Athena, instea[d] of that of a warrior, the coins leave a general impression o[f] having been designed after an Athenian prototype. This and th[e] absence of a royal title go to indicate a date not long subsequen[t] to Alexander's expedition, a conclusion which in its turn fits i[n] well with the current interpretation of the inscription. Sophyte[s] (Saubhūti) has been by universal consent identified with th[e] Sopeithes of Arrian (VI, 2, 2) and Strabo (XV, 699). If this view i[s] right, his coins may be regarded as a very direct memorial o[f] Greek influence in India.

A few coins with the name of Alexander himself have als[o] been classed as Indian. Thus a bronze piece, not distinguishabl[e] from his ordinary issues except that it is of squarish shape, has for many years been tacitly accepted as proof that the conqueror issued money of his own in India, conforming so far to local custom as to adopt the native fashion of striking the coins on blanks cut from oblong strips or bars. But the piece, which is now in Berlin, stands absolutely alone. Beyond the shape, there is not a particle of evidence to suggest association with the East. And closer scrutiny points to the shape being no more than an accidental freak, the result of awkward handling by some workman at a Western mint[1]. A group of silver tetradrachms deserves more serious consideration. They have on the obverse a head of Zeus, and on the reverse an eagle on a thunderbolt, accompanied by the legend ΑΛΕΞΑΝΔΡΟΥ (Pl. I, 14). The types are Macedonian, and the coins were long believed to be European and to represent Alexander's earliest mintage. There can, however,

[1] This is the emphatic opinion of Prof. Regling, who has been good enough to examine the original carefully. His view is fully borne out by a cast which he has kindly supplied.

be little doubt that Head is right in claiming them for the East. The significance of the symbol in the field, which he was the first to recognise as a satrapal tiara, is unmistakable. Again, the only specimen whose history is known, came from Rāwalpindi, while a diobol of similar types is said to have been in the hands of a dealer in Tashkand in 1906. Finally, although the die-positions are irregular, there are points of contact with the second group of Athenian imitations described above. To say nothing of the eagle with reverted head, certain subsidiary symbols—an olive-spray with leaves and berry, and a vine-branch with grapes—are common to both; and both are apparently struck on the same abnormal standard, the average weight of three of the Macedonian tetradrachms being 217·5 grains (14·09 grammes). But, if the coins in question are Eastern, it does not follow that they are Indian. On the contrary, the evidence of provenance, slight though it be, is all in favour of Central Asia. And so, too, is that of the peculiar weight standard. When this standard next emerges in that quarter of the world, it is among coins struck by Antiochus I during his viceroyalty or, in other words, after Seleucus Nicator had formally renounced his pretensions to the Punjab as part of his bargain with Chandragupta. The inference is that the district whose needs tetradrachms of the sort were meant to meet, lay beyond the confines of India.

None of the pieces we have been discussing bear the King's title. Both title and name (*βασιλέως Ἀλεξάνδρου*) have, however, been read into the monogram ᗅ, which occurs on an extraordinary silver decadrachm of Attic weight, now in the British Museum (Pl. I, 16). The obverse type is a horseman, with lance at rest, charging down upon a retreating elephant, on the back of which are two men turning round to face their pursuer. On the reverse, beside the monogram, is a tall figure, wearing cuirass, cloak and cap, and having a sword by his side, standing to left holding a thunderbolt and a spear. In spite of certain features which are not altogether satisfactory, the genuineness of the coin has been unhesitatingly accepted by Head and Gardner, and from such experienced judges it would be very rash to differ. Gardner, who was the first to publish it (*N.C.*, 1887, p. 177), was disposed to give it to Bactria and to connect it with 'some notable victory won by a Greek King of Bactria over the invading hordes of Yueh-chi in the second century B.C.' Head, on the other hand, comes to the conclusion, 'after a careful study of the fabric...that it belongs to Alexander's own time, and that it records the historical

event of his invasion of the Punjab in 326 B.C.' He sees in the standing figure a representation of Alexander as Zeus, while he puts forward the interesting suggestion that the lance is being wielded, not by the horseman, but by the rearmost of the two elephant-riders, and that consequently the scene depicted is the retreat of Porus and his pursuit by Taxiles, exactly as recorded by Arrian (v, 18). The coin, he thinks, may have been struck by Taxiles himself at his capital city Takshaçilā. Unfortunately this hypothesis is not supported by the 'find-spot' of the decadrachm. It was discovered at Khullum in Bukhāra.

A similar inconclusive result awaits any endeavour to sift the assertions so frequently advanced as to the circulation, and even the striking, of double darics in India. These fine gold coins (Pl. I, 6) are, in the strict sense, Persian. But it is hardly likely that any of them were minted until after the defeat of the last of the Achaemenids by Alexander. It is certain that the great majority bear Greek monograms or letters, and that they were issued at Babylon, and possibly elsewhere, by the satraps of the Macedonian conqueror. That they were popular in the East is beyond question. Whether they made their way into India is another matter. The statement that they were struck there has nothing whatever to confirm it. Nearly all of the specimens in the British Museum were acquired at Rāwalpindi, but the real source seems to have been the rich find or series of finds made about 1877 and 1878 in Bukhāra, 'eight marches beyond the Oxus, at an old fort on the tongue of land formed by two joining rivers.' The precise locality appears to have been Kabadian, a town on the Kapinahan, in the ancient Sogdiāna.

CHAPTER XVI

INDIA IN EARLY GREEK AND LATIN LITERATURE

IN this chapter we shift our point of view. We no longer try to transfer ourselves to ancient India and see for ourselves what is going on there: we ask instead what impression this magnitude, India, made upon another people—the Hellenes on the shores of the Mediterranean, the progenitors of our modern European rationalistic civilisation. India is for us now a remote country, 2800 miles away.

The Greek peoples at the time when the Homeric poems were composed had probably never heard of India, and knew nothing of the Āryan cousins separated from them by the great Semitic kingdoms of Assyria and Babylonia. At most they knew that peoples of dark complexion dwelt, some towards the setting, and some towards the rising, sun[1]. The Homeric Greeks used ivory, and were no doubt aware that it was the tusk of an animal—the Phoenician traders indeed will have called it, as the Hebrews did, *shēn*, 'tooth'—but the ivory was more probably African ivory brought from Egypt than Indian[2].

The Greek word for tin, again, found already in Homer, *kassiteros*, has been adduced[3] to show that tin was among the wares which travelled to the Greek world from India. For the Greek word is obviously the same as the Sanskrit word *kastīra*. Unfortunately the borrowing seems to have been the other way. The word *kastīra* found its way comparatively late into India from Greece[4].

In the sixth century B.C. the Semitic and other kingdoms of Nearer Asia disappeared before a vast Āryan Empire, the Persian, which touched Greece at one extremity and India at the other. Tribute from Ionia and tribute from the frontier hills of India found its way into the same imperial treasure-houses at Ecbatana or Susa.

[1] *Odyssey* I, 22 f.

[2] The derivation of the Greek word for ivory, *elephas*, given in Liddell and Scott is etymology at its wildest. It is supposed to be the Sanskrit word *ibha*, meaning 'elephant,' preceded by the *Arabic* definite article *el* (!). Not much can be built upon the passage, I Kings, x, 22, where the Hebrew author states that the navy of King Solomon in the tenth century B.C. brought (according to our English version) 'ivory, apes, and peacocks.' See Cheyne in *Encycl. Bibl.*, s.v. 'Ophir' and 'Peacocks.'

[3] E.g. by Lassen, II, 632.

[4] Daremberg and Saglio, s.v. 'stannum.'

Contingents from the Greek cities of Asia Minor served in the same armies with levies from the banks of the Indus. From the Persian the name *Indoi*, 'Indians,' now passed into Greek speech. Allusions to India begin to appear in Greek literature[1].

It is not a mere accident that the books produced by a people who dwelt so far away from India should to-day contribute to our knowledge of ancient India. In the Greek republics a new quality was appearing in the world—or rather the development of a certain factor in the human mind to an activity and power not seen before—the quality which we may describe as Rationalism. That is what makes the essential continuity between the ancient Mediterranean civilisation and the civilisation which has developed so wonderfully in Europe during the last five centuries. A characteristic of this rationalism is a lively curiosity as to the facts of the Universe, an interest which directs itself upon the endless variety of the world, in contrast with that movement of the spirit, exemplified in the sages of India and in the piety of medieval Europe, which seeks to flee from the Many to the One. To be interested in a fact as such, to care so much about its precise individual character, as to examine and verify and try to get its real contours, to value hypothesis only so far as it can be substantiated by reference to objective truth—these are the motives behind modern Western Science; and a disinterested intellectual curiosity in the facts of the outside world has actually helped to give the West a power to modify and control that world for practical uses never before possessed by man. It was the beginning of this interest in the facts of the world, the desire to see things as they really were, which marked ancient Greek culture, as expressed in its writings and its art. The universal curiosity of Herodotus in the fifth century B.C., the eager eyes of the men of science and of action who accompanied Alexander, the industrious enquiries of Megasthenes—it is to these that we owe such information about India as the Greek and Latin books contain.

And yet in order to estimate this information truly one must bear in mind some limiting considerations. The motive of intellectual curiosity just described, the critical scientific temper,

[1] Indian influence has been alleged in the philosophy of Pythagoras who must have been born in the early years of the sixth century, some fifty years before the Persian conquest of Babylon. The question is examined at length by Prof. A. B. Keith in the *J.R.A.S.* for 1909, pp. 569 f., *Pythagoras and the Doctrine of Transmigration*. Prof. Keith's conclusion is that there is no evidence for the Indian influence.

has never been exhibited in complete purity. It is all a question of more or less. The Greeks had it more than any previous people; the modern man of science has it more than the Greeks; but not even the modern man of science has so far reduced all the other elements of human nature to their proper place, as to make his curiosity absolutely disinterested or his criticism impeccably scientific. In the case of the ancient Greeks, scientific curiosity was constantly being interfered with and thwarted by another interest which was strong in them—the love of literary form, the delight in logical expression. One of the reasons why Natural Science never got farther than it did among the Greeks is that a book-tradition would so soon establish itself in which the original observation became stereotyped and passed on from writer to writer with no fresh verification or addition. From the fifth century onwards a conventional classicism was always hemming in vitality and making literature opaque to real life. This is what one has to remember in approaching the Greek notices of India or their reproduction by Latin writers.

The classical notices of India represent only three groups of original documents, (1) the works produced by Greeks of Asia Minor from the latter part of the sixth century till the beginning of the fourth century B.C., (2) the works based upon the expedition of Alexander in the fourth century, and (3) the works of the Greek ambassadors sent in the third century from Syria and Egypt to the court of Pāṭaliputra. The first group—Scylax, Hecataeus, Herodotus, Ctesias—was for most purposes superseded by the two later ones, since the expedition of Alexander marked a new epoch of geographical knowledge. Yet to some extent even in later times the earlier writers were drawn upon.

The first Greek book about India was perhaps written in the latter part of the sixth century B.C. by Scylax of Caryanda, a Greek sea-captain, whom King Darius (522–486 B.C.) employed to explore the course of the Indus[1]. The book seems to have lain before Aristotle two centuries later, who quotes, as coming from it, a statement that among the Indians the kings were held to be of a superior race to their subjects[2]. Scylax probably did not tell much of his own experiences in descending the Indus, or we should have heard of his book in connexion with the voyage of Alexander. He probably preferred to astonish his countrymen with travellers' tales—stories of people who used their enormous feet as sunshades (*Skiapodes*), of people who wrapped themselves

[1] Herodotus IV, 44. [2] *Polit.* VII, 14.

up in their own ears (*Ōtoliknoi* or *Enōtokoitoi*), of people with one eye, and so on, with which the Greek tradition about India thus started and which it retained to the end[1]. These stories, it is now recognised, correspond with statements in the old Indian books about peoples on the confines of the Indian world, and Scylax may therefore very well have really heard them from Indians and accepted them in simple faith.

Hecataeus of Miletus had probably already given forth his geographical work, the *Periodos Gēs,* before 500 B.C. At the extremity of his field of vision there was some vague picture, derived from Scylax and the Persians, of the Indian world. His knowledge stopped on the frontier of the Persian Empire, the river Indus. Beyond that was just a great desert of sand. But the name of the people called Gandhāri on the upper Indus had reached him, and the name of a city in that region, whence Scylax had started on his expedition down the river: Hecataeus wrote it as *Kaspapyros.* He mentioned the names of other Indian peoples too of the frontier hills—Opiai, Kalatiai are the ones preserved in his fragments—and a city of India which he called Argante. The fabulous Skiapodes also appeared in Hecataeus as well as in Scylax, though Hecataeus by some confusion connected them with the African Aethiopians instead of with India[2].

We may probably infer from the long geographical passages in the plays of Aeschylus, that a lively interest in far-off peoples and strange lands was general in the Greek world of the fifth century. Where an ancient Argive king in the *Suppliants* has to express wonder at the foreign garb of the Egyptian maidens, the poet takes the opportunity to give evidence of his anthropological knowledge. The king mentions different races whose appearance might be like that, and, in the course of his speculations, says—

'Moreover I hear tell of Indians, of women that go roving on camels, mounted horse-fashion, riding on padded saddles, them that are citizens of a land neighbouring the Ethiopians[3].'

[1] Philostratus, *Vit. Apoll.* III, 47; Tzetzes, *Chil.* VII, 630 f.

[2] See article by Von Radinger in Pauly-Wissowa, *s.v.* 'Hekataios.'

[3] *Ἰνδάς τ' ἀκούω νομάδας ἱπποβάμοσιν*
εἶναι καμήλοις ἀστραβιζούσας, χθόνα
παρ' Αἰθίοψιν ἀστυγειτονουμένας.

Supplices 284–286.

So the passage reads in Sidgwick's text. This involves a certain amount of conjectural emendation, since the MS. reading is obviously in part corrupt. One must add that the emendation proposed by Professor Tucker and approved by W. Headlam, *τοίας* for *Ἰνδάς* (MS. *Ἰνδούς*), eliminates the Indians altogether.

In the Greek books which we possess this is the earliest mention of Indians by name.

A good deal of what Herodotus wrote about India (middle of the fifth century) was no doubt drawn from Hecataeus—his idea, for instance, that the river Indus flowed towards the east, and that beyond that corner of India which the Persians knew there was nothing towards the east but a waste of sand. Perhaps what Herodotus says is less remarkable than what he does not say. For of the monstrous races which Scylax and Hecataeus before him, which Ctesias and Megasthenes after him, made an essential part of the Indian world, Herodotus says not a word. Hellenic rationalism took in him the form of a saving good sense. Certain of the broad facts about India Herodotus knew correctly—the diversity of its population, for one. 'There be many nations of Indians,' he says, 'diverse one from the other in tongue, some of them are roving tribes, some of them are settled, and some dwell in the swamps of the river, and live on raw fish which they catch from boats of reed (*kalamos*)[1].' Herodotus knew also that the population of India was a very vast one. 'The Indians are by far the greatest multitude of all the peoples of men whom we know[2],' he says. Of course, the Indians who came especially within the sphere of his knowledge would be the more or less barbarous tribes near the Persian frontier. What he tells us therefore of their manners and customs does not apply to civilised India. Of the peoples beyond the Persian frontier he had heard of the marsh-dwellers, who dressed in garments made of some sort of water-reed[3]. Other Indians dwelling to the east of these are rovers, eaters of raw flesh, and they are called 'Padaeans.' He goes on to say that members of the tribe were killed on the approach of old age and eaten by their fellow-tribesmen[4].

[1] III, 98. [2] III, 94.

[3] These would be people living in the country flooded by the Indus, the Miānwāli district of Sind, where, as Lassen points out, mats and baskets are still made from the reeds of the river.

[4] Lieutenant Prendergast, quoted in the *Asiatic Journal*, New Series, v (1831), p. 161, was assured by a Gond that in his native village cannibalism of this kind was still practised. This may have been the isolated survival of a more general cannibalism among the Gonds. As Lieutenant Prendergast's statement, now more than 80 years old, is still quoted in evidence for the practice among these tribes, one presumes that later evidence is hard to find. E. T. Dalton, *Ethnology of Bengal* (1872), p. 220, mentions a tribe called Birhors, accused of cannibalism. Some of them had assured him that they had themselves given up the practice, but 'they admitted that their fathers were in the habit of disposing of the dead in the manner indicated, viz. by feasting on the bodies; but they declared they never shortened life to provide such feasts, and shrank with

Others of the Indians would not eat the flesh of any living thing or sow fields or live in houses. 'Whenever a man of this people falls into a sickness, he goes into the desert and lies down there: and no one pays any regard when a man is dead or fallen ill.' The Indians who dwelt near the city of Kaspapyros and the country of the Pactyes (Pashtus), that is, the hill-tribes about the Kābul valley, were, he says, the most warlike. It was from these, of course, that the Persian government drew levies. Among them was the tribe called Kallatiai, who ate the bodies of their dead relations[1]. He describes the dress of the Indians serving in the army of Xerxes. They wore garments made from trees (i.e. cotton) and carried bows of reed and arrows of reed with iron heads[2]. Some fought on foot and some in chariots drawn by horses and wild asses[3]. The account of the ants who throw up mounds of gold dust, which afterwards became a permanent element in the classic conception of India, was given in full by Herodotus[4]. The facts on which the account was based seem now fairly clear. Gold-dust was actually brought as tribute by the tribes of Dardistān in Kashmīr and was called by the Indians *pipīlika*, 'ant gold[5].' When Herodotus says that the ants were the size of dogs and fiercely attacked any one carrying off the gold, it has been plausibly suggested that the account was derived from people who had been chased by the formidable dogs kept by the native miners[6].

As to the peculiar products of India, it is interesting that Herodotus told the Greek world, perhaps for the first time, of the trees that bore wool, 'surpassing in beauty and in quality the wool of sheep; and the Indians wear clothing from these trees[7].'

The peacock, which was introduced into Greece during the second half of the fifth century B.C., retained in his designations evidences both of his Indian origin (ταῶς) and of the route—via the Persian empire—by which he had been conveyed (Μηδικὸς ὄρνις); and it seems to be more than a coincidence that the only Buddhist mention of Babylon is in connexion with a story concerning the importation of this magnificent bird[8].

horror at the idea of any bodies but those of their own blood relations being served up to them!' The *Cyclopaedia of India* (Quaritch, 1885), which quotes the passage from Dalton, under 'Birhor,' omits to note that Dalton himself says, 'I have no faith in the story.'

[1] III, 38. [2] VII, 65. [3] VII, 86. [4] III, 102 f.

[5] The gold-digging ants are mentioned in the *Mahābhārata*, II, 1860 (Calcutta ed.).

[6] M'Crindle, *Ancient India*, p. 44, note 3. [7] III, 106.

[8] See the *Bāveru Jātaka* (No. 339 of the *Jātaka* collection) and M. Sylvain Lévi's article in *Annuaire de l'École Pratique des Hautes Études* (1913–4).

Ctesias of Cnidus, a generation later than Herodotus, had exceptional opportunities for acquiring knowledge about India, since he resided for seventeen years (from 415 to 397 B.C.) at the Persian court as physician to the king Artaxerxes Mnēmōn[1]. As a matter of fact his contribution seems to have been the most worthless of all those which went to make up the classical tradition. Ctesias apparently was a deliberate liar. Modern writers urge that some of his monstrosities—his dog-faced men[2], his pygmies and so on—can be paralleled by the statements in old Indian books. This shows that Ctesias was not above saving himself the trouble of fresh invention when statements sufficiently sensational were furnished him by others. Any parallel which can be proved between Ctesias and old-Indian tradition is, of course, interesting and exhibits the Greek as to that extent a borrower rather than as creatively mendacious, and, where we cannot prove a parallel, it is always possible that the statements of Ctesias may have been suggested by travellers' tales; but it is equally possible that he was drawing upon nothing but his imagination. One of his most monstrous animals, the creature as large as a lion, with a human face, which shoots stings out of the end of its tail, called in the Indian language, says Ctesias, *martikhora*—as a matter of fact the word is Persian—Ctesias affirms that he had himself seen, as one was sent as a present to the Persian king! This gives the measure of the man. No doubt, his wildest statements about the *fauna* and *flora* of India can, if sufficiently trimmed, be made to bear a sort of resemblance to something real[3], but it seems ingenuity wasted to attempt to establish these connexions. The influence of Ctesias upon the Greek conception of India was probably great. It confirmed for ever in the West the idea that India was a land where nothing was impossible—a land of nightmare monsters and strange poisons, of gold and gems[4].

Where Ctesias described the people of India as 'very just' (δικαιότατοι), we may see the reflexion of a common Greek belief that a people of ideal goodness lived somewhere at the extremities of the earth, or in this case we may perhaps gather the impression made upon strangers by a social system so firmly governed in its

[1] Diod. II, 32, 4; Plut. *Artax.* 21.

[2] The *çvamukhas* of Sanskrit literature, e.g. Varāhamihira, *Bṛihatsaṃhitā*.

[3] For what may be done in this direction, see Prof. H. H. Wilson's *Notes on the Indica of Ctesias* (Oxford, 1836).

[4] Cf. Plin. *N.H.* VI, § 58 f.

complex structure and the working of its parts by traditional law.

It was generally recognised in the Greek world of the fourth century that a great race called Indian, a substantial part of mankind, lived towards the sunrising[1]. When European science, in the person of those philosophers who accompanied Alexander, first entered upon the Indian world, it had already made one substantial discovery as to the world in which man is placed. It was generally recognised in the Greek philosophic schools that the earth was a globe. It was already a matter of interest to determine the size of the globe and to know the measure of the lands and seas which covered it. And the men with Alexander, who found themselves in the plains of India stretching to even vaster distances beyond, or who, from the mouth of the Indus saw the coast fading to the eastward out of sight, were anxious to know what dimensions and shape they ought actually to give to this India upon their maps. They had not traversed more than a corner of it, and, had they gone to its extremities, they possessed none of our means of accurate surveying. It was only by report of the people of the land, based ultimately no doubt upon the rough practical reckonings of merchants and seamen, that they could form any conception of it. This being so, the conjectures which they recorded for the instruction of the West, have interest for us to-day, only as showing how near the truth under such circumstances men could come.

Of the companions of Alexander, three men chiefly enriched the Greek conception of India by their writings. One was Nearchus, a Cretan by extraction, whose home was in Macedonia, where he had been a friend in youth of Alexander's. This was the man whom Alexander put in command of the fleet which explored the coast between the Indus and the Persian gulf, and Nearchus later on gave his own account of this expedition to the world. His book also contained a good deal of incidental information about India. He appears from the fragments quoted to have been an honest reporter, who took pains to verify the stories which were told him[2]. Another was Onesicritus from the Greek island of Aegina, who regarded the Cynic philosopher Diogenes as his master, a man with some practical knowledge of sea-craft, since Alexander made him pilot of the royal vessel down the Indus. Onesicritus took part in the expedition of

[1] *Ephorus*, frag. 38 (*Frag. Hist. Graec.* I, p. 243).

[2] Susemihl, *Gesch. d. griech. Lit. in der Alexandrinerzeit*, I, p. 658.

Nearchus, and he too afterwards wrote a book about it and about India. Strabo considered him untruthful, and he has generally a bad reputation with modern scholars, though this unfavourable judgment has been seriously challenged[1]. The third was Aristobulus, a Greek probably from the Chalcidic peninsula, who not only accompanied Alexander through India, but was entrusted with certain commissions, perhaps not military ones[2]. Aristobulus wrote his book long afterwards, in extreme old age. His interest was predominantly geographical, not military; yet his book seems to have been adversely affected by the rhetorical fashion and perhaps by the Alexander myth which had already begun to take popular shape at the time when he wrote[3]. A fourth writer, a contemporary, but not a companion, of Alexander, Clitarchus of Colophon, also contributed to popular notions about India. Clitarchus wrote a history of Alexander of a highly journalistic character, drawing largely, it would seem, upon imagination. The book became the most popular of all the histories of Alexander. Although Clitarchus in his main outlines had to keep to the facts, so many eye-witnesses being still alive, the romance, as distinguished from the history, of Alexander takes its start from him. In the Indian part of his history, for instance, he introduced a delightful story of how the Macedonian army, marching through the jungles, had mistaken a troop of monkeys for a hostile army[4]. Statements about India, from such a source, might get very wide currency without having much basis in reality.

The books written by the companions of Alexander or derived from their accounts were supplemented in the third century by the books in which the European ambassadors sent by the Hellenistic kings to India[5] told what they heard and saw. It is very odd that with such opportunities none of the ambassadors seems to have produced anything substantial except Megasthenes. Had Daïmachus or Dionysius given any fresh first-hand information of interest, we could not fail to have traced some of it in later writers. The statements quoted from Daïmachus, that there was a species of yellow pigeons in India which were brought as presents to the king[6], and the notice of some peculiar-shaped

[1] Susemihl, *op. cit.* I, 536, pronounces against Onesicritus: E. Schwartz defends him.

[2] Strabo XV, C. 698; Arr. VI, 29, 10.

[3] Susemihl, *op. cit.* p. 540: Schwartz 'Aristobulus (14)' in Pauly-Wissowa, depreciatory.

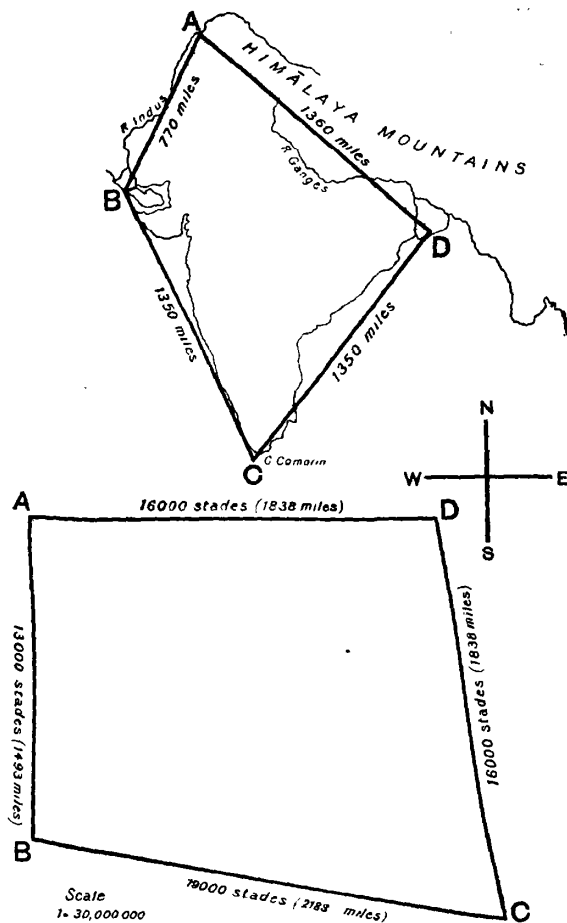
[4] Ael. *Nat. Anim.* XVII, 25.

[5] See also Chapter XIX.

[6] Frag. 3 (*Frag. Hist. Graec.* II, p. 440).

sideboard[1], are a poor yield. On the other hand the book written by Megasthenes was the fullest account of India which the Greek world ever had. Only one other writer calls for mention, Patrocles, who held command in the eastern provinces of Irān under Seleucus I and Antiochus I. One does not gather that his book touched India except in so far as it dealt with the general dimensions of the countries of Asia. Patrocles, however, had access to official sources and what he did say of India seems to have been creditably near the truth[2].

The companions of Alexander did not, so far as we know, attempt to give any precise statement of the dimensions of India. Onesicritus[3] shot valiantly beyond the mark, declaring that it was a third of the habitable earth. Nearchus gathered that it took four months to cross the plains to the eastern ocean[4]. When Seleucus had established his rule over Irān, and entered into diplomatic relations with the court of Pāṭaliputra, Greek writers ventured to give figures for India as a whole. Patrocles put down the distance from the southernmost point of India to the Himālayas as 15,000 stades (1724 miles)[5]—a happy guess, for the actual distance is about 1800 miles. Megasthenes was farther out in putting the extent from north to south, *where it is shortest*, at 22,300 stades[6]. 'Where it is shortest' makes a difficulty, which the modern books seem to pass by. Megasthenes probably conceived the Indus, like Eratosthenes, to flow directly southwards and thus to constitute the western side of the quadrilateral India. The general direction of the coast from the mouth of the Indus to Cape Comorin was thought of, not as it really is, south-south-easterly, but as east-south-east, making it the southern side of the quadrilateral. But, if so, the course of the Indus itself measures the distance from the northern to the southern side, *where it is shortest*. Megasthenes must then have made an enormous miscalculation, and that in a region traversed and measured by Alexander, for the distance as the crow flies from the Himālayas to the mouth of the Indus is equivalent only to 6700 stades (770 miles). What Megasthenes made the greatest length from the northern to the southern side to be we are not told, but his contemporary Daïmachus affirmed that in some places it was as much as 30,000 stades (3448 miles)[7]. The distance from west to east, where it is shortest—the distance, that is, from

[1] Frag. 4.
[2] Susemihl, *op. cit.* p. 657.
[3] Frag. 11 = Strabo xv, C. 689.
[4] Frag. 1 = Strabo xv, C. 689.
[5] Patrocles, Frag. 1 = Strabo II, C. 68.
[6] Frag. 6 = Arr. *Ind.* 3, 7.
[7] Daïmachus, Frag. 1 = Strabo II, C. 69.

Dimensions and orientation of India according to the true map and according to Eratosthenes

the Indus to the Bay of Bengal—Patrocles put at 15,000 stades (1724 miles) and Megasthenes at 16,000 stades (1838 miles)[1]. The actual distance is about 1360 miles, but the figure of Megasthenes was got apparently by combining the 10,000 stades measured along the Royal Road from the Indus to Pāṭaliputra with the estimated distance from Pāṭaliputra by way of the Ganges to the sea, 6000 stades. Eratosthenes, the great geographer, a generation later (born 276 B.C.), who is followed by Strabo, accepted the 16,000 stades of Megasthenes as the extent of India from the Indus to the mouth of the Ganges. But the western side of the quadrilateral—the course of the Indus—he reduced to 13,000 stades (1493 miles). The real projection of India to the south, however, from the mouth of the Indus was unknown to him, and he made Cape Comorin project east of the mouth of the Ganges. India was represented by a quadrilateral whose southern side was 3000 stades longer than the northern and the eastern 3000 stades longer than the western[2]. The accompanying figure will show that the general shape of the quadrilateral is fairly true to the reality. What is wrong is (1) the orientation, and (2) the exaggerated size.

Besides inquiring as to the figure which India made upon the globe, the Greeks had curious eyes for the unfamiliar physical phenomena which here confronted them. The heavens themselves showed novel features, if one went far enough south—the sun at midday vertically overhead, the shadows in summer falling towards the south, the Great Bear hidden below the horizon[3]. The companions of Alexander may have seen the sun overhead at the southernmost point which they reached, for the mouths of the Indus almost come under the Tropic of Cancer, and Nearchus may actually just have crossed it; they learnt at any rate that they had only to go a little farther south to see these things. Onesicritus seems to have thought it a pity that his book should lose in sensational interest by this accidental limitation, and therefore to have boldly transferred them to the banks of the Hyphasis[4]. The desire to achieve literary effect interfered continually, in the case of the ancient Greeks, as has been said, with scientific precision.

The climate of the country, the new laws of the weather, struck the Greeks. They had never known anything like the rains which

[1] Megasth. Frag. 6 = Arr. *Ind.* 3, 7.
[2] Strabo xv, C. 689.
[3] Plin. II, § 184; Diod. II, 35.
[4] Onesicr. Frag. 24 = Plin. *Nat. Hist.* II, § 183.

broke upon them in the summer of 326 B.C. Aristobulus[1] recorded that rains began when the European army reached Takshaçilā in the spring of 326 and became continuous, with the prevalence of the monsoon, all the time they were marching eastward along the foothills of the Himālayas. At the same season the following year the Europeans were voyaging down the Lower Indus. Here they had no rain. The rainfall of Sind, which is unrefreshed by either of the monsoons, is scanty and irregular. Almost rainless seasons are the rule. The cause of the summer rains Eratosthenes found partly in the moisture brought by the monsoon (and in so far he was correct), partly in the exhalations of the Indian rivers[2].

When the Greeks looked round upon the features of the country itself, India seemed, before anything else, to be the land of immense rivers[3]. If, in discussing the topography of Alexander's expedition through Sind, one has to reckon with the fact of great changes in the course of the rivers, that characteristic of these rivers did not escape Aristobulus. On one occasion, he told, a commission on which Alexander sent him took him to a region left desert by a shifting of the Indus to the east; there he saw the remains of over a thousand towns and villages once full of men[4]. Megasthenes got his informants to give him a list of the navigable rivers of the peninsula, 58 in all. Of this list 35 names are preserved[5], and in spite of distortions, due either to the Greek's mishearing of the native sounds or to the various transcriptions through which they have come down to us, some are still recognisable to-day.

The mineral, the vegetable, the animal world in India had all their special wonders for the Europeans. As to minerals, India was the land of gems and gold. In the book of Pliny's *Natural History* which deals with precious stones (Book XXXVII) a great many are said to be products of India. It is often doubtful what stone is intended by Pliny's description, but one can recognise diamonds[6], opals[7], and agate[8] amongst those enumerated. The ultimate source of information would here, of course, not be a literary one, but the practical knowledge of merchants. As to gold, Nearchus and Megasthenes confirmed the account given by Herodotus of the ants as big as foxes which dug up gold.

[1] Aristob. Frag. 29 = Strabo XV, C. 691, cf. C. 697. [2] Strabo XV, C. 690.
[3] Strabo XV, C. 689. [4] Aristob. Frag. 29 = Strabo XV, C. 693.
[5] Frag. 18 = Arr. *Ind.* 4; Plin. *Nat. Hist.* VI, § 64 f. [6] §§ 55 f.
[7] §§ 80 f. [8] § 140.

Nearchus[1], honest man that he was, admitted that he had never seen one of these ants, but he had seen their skins, which were brought to the Macedonian camp. Megasthenes in repeating the story with minor variations added the useful piece of information that the country the gold came from was the country of the Derdae (in Sanskrit *Darad* or *Dārada*; modern Dardistān in Kashmīr)[2]. Among the mineral wonders of the land Megasthenes seems also to have reckoned sugar-candy, which he took to be a sort of crystal; a strange sort which, on being ground between the teeth, proved to be 'sweeter than figs or honey'[3]. He wrote down too what his Indian informants told him of a river Silas among the mountains of the north in which all substances went to the bottom like stone[4].

In the vegetable realm, the Greeks noticed the two annual harvests, the winter and summer one, the sign of an astonishing fertility[5]. They knew that rice and millet were sown in the summer, wheat and barley in the winter[6], and Aristobulus described the cultivation of rice in enclosed sheets of water[7]. They saw trees, which the generative power of the Indian soil endowed with a strange capacity of self-propagation—the branches curving to the ground to become themselves new trunks, till a single tree became a pillared tent, under whose roof of broad leaves a troop of horsemen could find shade from the noonday heat[8]. Among the plants two especially interested them. One was the sugar-cane, the reeds that make honey without the agency of bees[9]. Megasthenes seems to have attempted a scientific explanation of its sweet juice. It was due to the water which it absorbed from the soil being so warmed by the sun's heat, that the plant was virtually cooked as it grew[10]! The other plant was the cotton-plant, yielding vegetable wool. Some of it the Macedonians used

[1] Nearchus, Frag. 12 = Arr. *Ind.* 15.

[2] Megasth. Frag. 39 = Strabo xv, C. 706.

[3] 'Stones are dug up of the colour of frankincense, sweeter than figs or honey,' Megasth. Frag. 10 = Strabo xv, C. 703.

[4] Megasth. Frag. 19 = Arr. *Ind.* 6, 2; Strabo xv, C. 703. *Çilā* means 'stone' in Sanskrit.

[5] Megasth. Frag. 9 = Strabo xv, C. 693.

[6] Strabo xv, C. 690.

[7] Aristob. Frag. 29 = Strabo xv, C. 692.

[8] Strabo xv, C. 694; Arrian, *Ind.* 11; Plin. xii, §§ 22 f.

[9] Nearchus, Frag. 8 = Strabo xv, C. 694. The phrase μελισσῶν μὴ οὐσῶν might be interpreted as above. If M'Crindle's version 'although there are no bees' is what the Greek writer meant, he made a curious mistake. Bees and honey are well known in early Indian literature. But M'Crindle's version, strictly speaking, would require οὐκ οὐσῶν.

[10] Megasth. Frag. 9 = Strabo xv, C. 693.

uncarded as stuffing for saddles and suchlike[1]. Precious spices, of course, also and strange poisons were associated in the Greek mind with India. As to the latter, Aristobulus was told that a law obtaining among the Indians pronounced death upon any man revealing a new poison, unless he at the same time revealed a remedy for it; if he did both, he received a reward from the king[2].

Among the animals of India, it was the elephants, the monkeys, and the snakes which especially drew the attention of the Greeks. The elephants, of course, showed them a type of animal unlike anything they had ever seen. Their size must have accorded with the impression of vastness made by the rivers and the trees of India. And to this was added their extraordinary form with the serpentine proboscis. Megasthenes gave an account of the way in which wild elephants were captured, agreeing closely with the practice of to-day[3]. The longevity of the elephant was also a fact which the Greeks discovered, though Onesicritus accepted from some informant the extravagant estimate of 300 years for an elephant's life[4]. 'They are so teachable, that they can learn to throw stones at a mark and to use arms, also to sew beautifully.' 'If any animal has a wise spirit, it is the elephant. Some of them, when their drivers have been killed in battle, have picked them up themselves and carried them to burial; some have defended them as they lay; some have saved those who fell off at their own peril. Once when an elephant killed his driver in a rage he died of remorse and despair[5].' 'It is a very great thing to possess an elephant chariot. A woman who receives an elephant as a present from her lover acquires great prestige,' and any moral frailty she might show under such an inducement was condoned[6].

The monkeys too were a species of creature which naturally fascinated the foreigners. Different kinds are described. 'Among the Prasioi (the people of Magadha),' says a late writer, copying from Megasthenes, 'there is a breed of apes human in intelligence, about the size of Hyrcanian dogs to look at, with a natural fringe above the forehead. One might take them for ascetics, if one did

[1] Nearchus Frag. 8 = Strabo xv, C. 693. See Bretzl, *Botanische Forschungen d. Alexanderzuges*, Leipzig, 1903.

[2] Aristob. Frag. 30 = Strabo xv, C. 694.

[3] Megasth. Frag. 38 = Arr. *Ind.* 13.

[4] Onesicr. Frag. 21 = Strabo xv, C. 705.

[5] Megasth. Frag. 38 = Arr. *Ind.* 14.

[6] Nearchus, Frag. 16 = Strabo xv, C. 705; Arr. *Ind.* 17.

not know. They are bearded like satyrs, and their tail is like a lion's....At the city of Latage they come in crowds to the region outside the gates and eat the boiled rice which is put out for them from the king's house—every day a banquet is placed conveniently for them—and when they have had their fill they go back to their haunts in the forest, in perfect order, and do no damage to anything in the neighbourhood[1].' The same writer takes from Megasthenes an account of the apes like satyrs which inhabited the glens of the Himālayas. 'When they hear the noise of huntsmen and the baying of hounds, they run up to the top of the cliffs with incredible swiftness and repel attack by rolling stones down upon their assailants. They are hard to catch. Only occasionally, at rare intervals, some of them are brought to the country of the Prasioi, and these are either sick ones or pregnant females[2].' The forests on the upper Jhelum (Hydaspes, Vitastā), one of the companions of Alexander recorded, were full of apes, and he was told that they were caught by the huntsmen putting on trousers in view of the apes, and leaving other pairs of trousers behind, smeared on the inside with birdlime, which the imitative animals would not fail to put on in their turn[3]!

The snakes of India were a third arresting species in the animal world. And here again it was the size, in the case of pythons, which impressed the Europeans. Some were so large, Megasthenes wrote, as to swallow bulls whole[4]. The envoys coming from Abhisāra to the Macedonian camp asserted boldly that their rāja kept two serpents, 80 and 140 cubits long respectively (about 160 and 280 feet)[5]! On the other hand, Nearchus knew that the smaller poisonous snakes were the more dangerous, and described how life in India was burdened with the fear of finding them anywhere, 'in tents, in vessels, in walls.' Sometimes they infested a particular house to the point of making it uninhabitable. The charmers who went about the country were supposed to know how to cure snake-bites. There was really indeed very little for a doctor to do in India except to cure snake-bites, since diseases were so rare among Indians—so at least, as we shall see, the Greeks believed[6]. The Greeks also understood that there was some breed

[1] Megasth. Frag. 11 = Ael. *Nat. Anim.* XVI, 10.
[2] Ael. *Nat. Anim.* XVI, 21.
[3] Strabo XV, C. 699.
[4] Megasth. Frag. 14 = Plin. *Nat. Hist.* VIII, § 36.
[5] Onesicr. Frag. 7 = Strabo XV, C. 698.
[6] Nearchus, Frag. 15 = Strabo XV, C. 706.

of flying snakes, which dropped from the air at night a poisonous secretion, corrupting the flesh of anyone upon whom it fell[1].

The animals which lived in the jungles would, of course, be less in evidence for the Europeans who passed through the land, but they heard of them by native report. Nearchus never saw a live tiger, only a tiger's skin[2]; Megasthenes heard that there were tigers twice the size of lions, and he knew of one in captivity which, while held by four men, fastened the claws of his free hind-leg upon a mule and mastered it[3]. The Greeks heard too of the wild sheep and goats of the hills[4], and of the rhinoceros, though the account given of it (taken probably from Megasthenes) can certainly not be based upon actual observation[5].

Of the domestic animals the Greeks have most to say about the Indian dogs. There was that fierce breed, of which king Saubhūti had given Alexander an exhibition—the dogs which would not relax their bite upon a lion, although their legs were sawn off[6]. It was this breed, or a similar one, which the Greeks understood from the Indians to be a cross between dogs and tigers[7]!

When we turn to the Greeks' account of Indian humanity, we find them noting that they were a tall people—'tall and slender,' says Arrian[8], 'lightly-built to a degree far beyond any other people.' On the other hand Diodorus, following perhaps some other source, describes them as eminently tall and massive[9]. In the south of India complexions approximate to the Ethiopian and in the north to the Egyptian. But in features there is not any marked difference, and no Indian people has woolly hair, like the negro races, 'owing to the dampness of the Indian climate'[10]. It is curious that there should have been discussion among the Greeks whether the darkness of skin was due to the action of the sun or to a property in the water of the African and Indian rivers[11]. The Indians, or some races among them, were believed by the Greeks, in striking contrast with the truth, to be singularly free from diseases and long-lived[12]. The people of Sind, Onesicritus said, sometimes reached 130 years[13]. The intellectual powers which

[1] Megasth. Frags. 10 and 12 = Strabo xv, C. 703; Aelian, *Nat. Anim.* XVI, 41.
[2] Nearchus, Frag. 12 = Arr. *Ind.* 15.
[3] Megasth. Frag. 10 = Strabo xv, C. 703.
[4] Megasth. Frag. 13 = Aelian, *Nat. Anim.* XVI, 20.
[5] Megasth. Frag. 13 = Strabo xv, C. 710; Aelian, *loc. cit.*
[6] Megasth. Frag. 10 = Strabo xv, C. 700; Ael. *Nat. Anim.* IV, 19.
[7] Plin. *N. H.* VIII, § 148; Ael. *Nat. Anim.* VIII, 1.
[8] *Ind.* 17.
[9] II, 36.
[10] Strabo xv, C. 690.
[11] Strabo xv, C. 695.
[12] Nearchus, Frag. 14 = Arr. *Ind.* 15, 10.
[13] Onesicr. Frag. 20 = Strabo xv, C. 701.

they displayed in the arts and crafts were attributed, like their health and longevity, to the purity of the air and the rarified quality of the water[1], but their health was also attributed to the simplicity of their diet and their abstinence from wine[2].

In what they say of the earlier history of India, the Greeks were concerned to fit in what their Indian informants told them with their own mythology and historical tradition. In their view of the past of India the two outstanding events were the invasions of the country by Dionysus and by Heracles respectively. Greek mythology told of the wine-god Dionysus as some one who had led about Asia a wandering army of revellers, garlanded with vine and ivy, to the accompaniment of drums and cymbals, and in India the religious processions in honour of Çiva, the royal progresses with drum and cymbals, especially characteristic of certain tribes[3], seem to have struck them as Bacchic in character. Evidently Çiva was India's memory of the conquering god, and these usages had been learnt from him ages ago.

Heracles the Greeks seemed to themselves to discover in Kṛishṇa. It was an accidental variation that the Greek legend represented him as having been born in Thebes and the Indians claimed him as sprung from the Indian earth. 'This Heracles,' according to Megasthenes, 'was especially worshipped by the Suraseni, an Indian people (the Çūrasenas), where there are two great cities, Methora (Mathurā, Muttra) and Clisobora (Kṛishṇapura), and a navigable river, the Jobanes (Jumna), flows through their country. The garb worn by this Heracles was the same as that of the Theban Heracles, as the Indians themselves narrate; a great number of male children were born to him in India (for this Heracles also married many women) and one only daughter. Her name was Pandaea, and the country where she was born and which Heracles gave her to rule is called Pandaea after her [the Pāṇḍya kingdom in South India]. She had by her father's gift five hundred elephants, four thousand horsemen, and 130,000 foot-soldiers....And the Indians tell a story that when Heracles knew his end was near, and had no one worthy to whom he might

[1] *ὕδωρ λεπτομερέστατον*, Diod. II, 36, 1.

[2] Nearchus, Frag. 15 = Strabo xv, C. 706.

[3] The name of the people is given by Strabo as the Sydrakai (Strabo xv, C. 687). From C. 701 we gather that these are identical with the Oxydrakai on the Beās (Vipāçā). The Oxydrakai were a people of the plains where the vine does not grow. On the strength of Strabo's assertion that the vine grew among the Sydrakai, to shift the Oxydrakai to the hills, as Dr Vincent Smith does (*J.R.A.S.* October, 1908), is a questionable expedient.

give his daughter in marriage, he wedded her himself, though she was then only seven years old, so that a line of Indian kings might be left of their issue. Heracles therefore bestowed on her miraculous maturity, and from this act it comes that all the race over whom Pandaea ruled, has this characteristic by grace of Heracles[1].' Our Greek author tells the story with some disgust and observes impatiently that, if Heracles could do as much as this, he might presumably have prolonged his own life a little. All this mythology, we may notice, the more critical Greeks, such as Eratosthenes and Strabo, were as prompt as any modern European rationalist to regard as unhistorical[2].

Megasthenes was given at the court of Pāṭaliputra a list of the kings who had preceded Chandragupta on the throne, 153 in number, covering by their reigns a period of over 6000 years. The line began with the 'most Bacchic' of the companions of Dionysus, Spatembas, left behind as king of the land, when Dionysus retired[3].

The most interesting part of Megasthenes' account is that relating to contemporary India, so far as he could learn about it at Pāṭaliputra. His description of the seven 'tribes' or classes into which the whole people was divided is well known. These, as Dr Vincent Smith has urged[4], have little to do with the four regular castes of Hinduism. Megasthenes may have got his number seven from some Indian informant, or he may have simply ascertained the fact that the people was divided into functional castes which did not intermarry, and then have made his own list of various occupations as they presented themselves to his eye. The confusion which he makes between Brāhmans and Sannyāsis—to both the Greek terms *philosophoi* or *sophistai*, 'wise men,' were indiscriminately applied—and his separation of the Brāhmans into different castes, according as their employment might be priestly or administrative or political, make it difficult to suppose that he was reproducing what any Indian had told him. But his seven classes may truly reflect the various activities which a Greek resident at Pāṭaliputra could see going on round about him in the third century B.C.[5]

The *first* class of Megasthenes consisted of 'philosophers,' under which term, as has just been said, Brāhmans and ascetics

[1] Megasth. Frag. 23 = Arr. *Ind.* 7 f.
[2] Strabo xv, C. 686 f.
[3] Megasth. Frag. 23.
[4] *Caste in India* (*East and West*, 1913, pp. 552–63).
[5] Megasth. Frags. 35 and 36 = Arr. *Ind.* 11 f.; Strabo xv, C. 703. *V. inf.*, Chapter XIX, p. 477, n. 3.

were confused. It was numerically the smallest class, but the highest in honour, immune from labour and taxation. Its only business was to perform public sacrifice, to direct the sacrifice of private individuals, and to divine. On the New Year all the philosophers assembled at the king's doors and made predictions with a view to guiding agriculture or politics. If any one's prophecy was falsified by the event, he had to keep silence for the rest of his life. 'These wise men pass their days naked, exposed in winter to the cold and in summer to the sun, in the fields and the swamps and under enormous trees....They eat the fruits of the earth and the bark of the trees, which is no less agreeable to the taste and no less nourishing than dates.' The *second* class consisted of the cultivators, and included the majority of the Indian people. They never took any part in war, their whole business being to cultivate the soil and pay taxes—to the kings or to the free cities, as the case might be. Wars rolled past them. At the very time when a battle was going on, the neighbouring cultivators might be seen quietly pursuing their work of ploughing or digging, unmolested. All the land belonged to the king, and the cultivators paid one-fourth of the produce in addition to rent. The *third* class Megasthenes described as herdsmen and hunters. They lived a nomad life in the jungles and on the hills, but brought a certain proportion of their cattle to the cities as tribute. They also received in return for their services a grant of corn from the king. It is easy to recognise in the description low-caste people, who in ancient Pāṭaliputra, as in a modern Indian city, were to be seen performing certain services to the civilised community. The *fourth* class consisted of the traders, artisans, and boatmen. They paid a tax on the produce of their industry, except those who manufactured implements of war and built ships. These, on the other hand, received a subsidy from the royal exchequer. The *fifth* class was that of the fighters, the most numerous class after the cultivators. They performed no work in the community except that of fighting. Members of the other classes supplied them with weapons and waited upon them and kept their horses and elephants. They received regular pay even in times of peace, so that when not fighting they could live a life of ease and maintain numbers of dependents. The *sixth* and *seventh* classes of Megasthenes cannot have formed castes in any sense. The *sixth* consists of the government secret inspectors, whose business it was to report to the king, or, among the free tribes, to the headmen, what went on among the people, and the *seventh* of those

constituting the council of the king or the tribal authorities. 'In numbers this class is a small one, but it is distinguished for wisdom and probity. For which reason there are chosen from among it the magistrates, the chiefs of districts, the deputy governors, the keepers of the treasury, the army superintendents, the admirals, the high stewards, and the overseers of agriculture.' When Megasthenes, in talking about the fixity of these classes, stated[1] that the only exception to the law which forbad a man changing his class was that any one might become a 'wise man,' he was saying something which was true only if by 'wise man' we understand an ascetic, not a Brāhman. A sense of the difference between Brāhmans living in the world and ascetics is implied in the statement of Nearchus that Indian 'sophists' were divided into Brāhmans, who followed the king as councillors, and the men who 'studied Nature'[2].

We may see something of the aspect of the country, as Megasthenes travelled through it, from his description of the towns built high above the level floods. 'All their towns which are down beside the rivers or the sea are made of wood; for towns built of brick' (i.e. sun-dried mud bricks) 'would never hold out for any length of time with the rains on the one hand, and, on the other, the rivers which rise above their banks and spread a sheet of water over the plains. But the towns which are built on elevated places out of reach, these are made of brick and clay[3].' Of Pāṭaliputra itself Megasthenes left a summary description. Built at the confluence of the Ganges and the Son, it formed an oblong, 80 stades by 15 stades ($9\frac{1}{5}$ miles by 1 m. 1270 yds.) surrounded by a wooden palisade, with loop-holes for the archers to shoot through, and outside the palisade a ditch, 30 cubits (about 60 feet) deep by 6 plethra (200 yards) wide, which served both for defence and as a public sewer. Along the palisade were towers at intervals, 570 in all, and 64 gates[4]. He also described the palace of the great Indian king, no less sumptuous and magnificent than the palaces of Susa and Ecbatana. Attached to it was a goodly park,

in which were tame peacocks and pheasants....There were shady groves and trees set in clumps and branches woven together by some special cunning of horticulture. And the more impressive thing about the beauty of that climate is that the trees themselves are of the sort that are always green; they never grow old and never shed their leaves. Some of them are native, and some are brought from other lands with great care, and these adorn the place and give it glory—only not the

[1] Frag. 35 = Arr. *Ind.* 12, 9.
[2] Nearchus, Frag. 7 = Strabo XV, C. 716.
[3] Megasth. Frag. 26 = Arr. *Ind.* 10.
[4] Megasth. Frag. 25 = Strabo XV, C. 702.

olive; the olive does not grow of itself in India, and, if it is transported there, it dies. Birds are there, free and unconfined; they come of their own accord and have their nests and roosting-places in the branches, both birds of other kinds and parrots which are kept there and flock in bevies about the king....In this royal pleasance there are lovely tanks made by hand of men, with fishes in them very large and gentle, and nobody may catch them except the sons of the king, when they are yet children. In this water, as tranquil and as safe as any can be, they fish and play and learn to swim all at the same time[1].

Megasthenes noted down a variety of points which struck him in the manners and customs of the people. A noble simplicity seemed to him the predominant characteristic[2]. Nearchus seems to have described the dress of the people in the Indus region. They wore clothes of cotton,

and this linen from the trees is of a more shining white than any other linen, unless it be that the people themselves being dark make the linen appear all the whiter. They have a tunic of tree-linen down to the middle of their shins, and two other pieces of stuff, one thrown about their shoulders and one twisted round their heads. And the Indians wear ear-rings of ivory, those that are very well-off.... Also they dye their beards different colours, some so as to make them appear as white as white may be, and some dyeing them blue-black: others make them crimson, and others purple, and others green. In the summer they protect themselves with umbrellas, those of the Indians that is to say, who are not too low to be considered. They wear shoes of white leather very elaborately worked; and the soles of the shoes are variegated, and high-heeled so as to make the wearer seem taller[3].

Megasthenes observed at Pāṭaliputra that in dress the Indians, for all their general simplicity, indulged a love of richness and bright colours, wearing ornaments of gold and gems and flowered muslins, with umbrellas carried after them[4].

Nearchus described their guise in war. The foot-soldiers carried a bow as long as the body. To shoot, they rested one end of it on the ground and set their left foot against it. They had to draw the string far back, since the arrows in use were six feet long. In their left hands they carried long narrow shields of raw hide, nearly co-extensive with the body. Some had javelins instead of bows. All carried long two-handed swords with a broad blade. The horsemen had two javelins and a shield smaller than the foot-soldier's[5].

Their diet was distinguished from the Greek by the absence of wine, which they drank only in religious ceremonies; but rice-

[1] Aelian, *Nat. Anim.* XIII, 18.
[2] Megasth. Frag. 27 = Strabo XV, C. 709.
[3] Nearchus, Frags. 9 and 10 = Arr. *Ind.* 16.
[4] Megasth. Frag. 27 = Strabo XV, C. 709.
[5] Nearchus, Frag. 7 = Arr. *Ind.* 16; Strabo XV, C. 716.

beer was generally drunk. Their staple food was pulpy rice (ὄρυζα ῥοφητή). Each man took his food by himself when he felt inclined; for they had no fixed times for common meals[1]. When a man would sup, a table was placed beside him and a gold dish set upon it, in which first was put the rice, boiled after the manner of the Greek *chondros* (gruel), and then on the top of it seasoned meats, done up in the Indian way[2]. Their system of gymnastic exercise differed from that of the Greeks: it consisted principally of *massage*, and they used smooth rollers of ebony for shaping their bodies[3].

Megasthenes, ignorant as he was of Indian languages, could say little of the literature and thought of the country. He only observed the much greater part played by oral tradition and memory, as compared with written documents, than was the case in the Greek world[4], though he cannot have asserted that writing was unknown, as Strabo would seem to imply, since in one passage he refers to written inscriptions[5]. In the sphere of morals it is interesting to notice that the salient characteristic of the Indian people seemed to this early European observer to be a high level of veracity and honesty. 'An Indian has never been convicted of lying,' he wrote in one passage[6], and in another pointed to the rarity of law-suits as evidence of their frank dealing. 'They are not litigious. Witnesses and seals are unnecessary when a man makes a deposit; he acts in trust. Their houses are usually unguarded.' During the time that Megasthenes was in Chandragupta's camp, out of a multitude of 400,000 men there were no convictions for thefts of any sums exceeding 200 drachmas (about £8)[7]. In Sind, Onesicritus said, no legal action could be taken, except for murder and assault. 'We cannot help being murdered or assaulted, whereas it is our fault if we give our confidence and are swindled. We ought to be more circumspect at the outset and not fill the city with litigation[8].'

The laws, Nearchus said, were preserved by oral tradition, not in books[9]—a statement only relatively true. According to

[1] Megasth. Frag. 27 = Strabo XV, C. 709.

[2] Megasth. Frag. 28 = Athenaeus IV, 153 D.

[3] Frag. 27.

[4] Megasth. Frags. 26, 27 = Arr. *Ind.* 10; Strabo XV, C. 709; cf. Rhys Davids, *Buddhist India*, p. 109 f.

[5] For the use of writing at this period see Chapter XIX, p. 483.

[6] Megasth. Frag. 35 = Arr. *Ind.* 12, 5. Cf. Max Müller, *India, what can it teach us?* pp. 34 f.

[7] Megasth. Frag. 27 = Strabo XV, C. 709.

[8] Strabo XV, C. 702.

[9] Nearchus, Frag. 7 = Strabo XV, C. 716.

Megasthenes many of them were sufficiently severe. A man convicted of giving false witness suffered mutilation. In the case of bodily harm being inflicted, not only was the principle of an eye for an eye observed, but the hand was cut off as well. To cause a craftsman the loss of his eye or hand was an offence punished by death[1].

The cultivation of lands by a whole kinship working in association was noted by Nearchus. Each individual at the ingathering took as much as was calculated to support him for a year, and the remainder of the common stock was destroyed, so as not to encourage idleness[2].

The customs would naturally differ considerably from one region to another in India, then as now. Among the Kshatriyas of the Punjab (Cathaeans) and their neighbours of the principality of Saubhūti (the region of Gurdāspur and Amritsar?), according to Onesicritus, personal beauty was held in such estimation that kings were chosen for this quality, and a child two months after birth, if it did not reach a certain standard of comeliness, was exposed. The dyeing of beards which Nearchus described in the passage already quoted was especially a custom in this part[3].

Of the marriage system in India Megasthenes only understood that it was polygamous, and that brides were purchased from their parents for a yoke of oxen[4]. He seems also to have asserted that, where conjugal infidelity in a wife was due to a husband's omission to exercise vigorous control, it was condoned by public opinion[5]. At Takshaçilā, according to Aristobulus, a man unable to get his daughter married on account of poverty would sell her in the market-place[6]. Nearchus stated that among certain Indian peoples a girl was put up as the prize of victory in a boxing match; the victor obtained her without paying a price[7]. The custom by which the virtuous wife (*suttee*, *satī*) was burnt with her husband's body on the funeral pyre naturally struck the Greeks.

[1] Megasth. Frag. 27 = Strabo xv, C. 710.

[2] Nearchus, Frag. 7 = Strabo xv, C. 716.

[3] Onesicr. Frag. 18 = Strabo xv, C. 699. Cf. Diod. xvii, 91.

[4] Cf. Chapter x, p. 234.

[5] The sentence is somewhat obscure—εἰ δὲ μὴ σωφρονεῖν ἀναγκάσαιεν, πορνεύειν ἔξεστι, Megasth. Frag. 27 = Strabo xv, C. 709.

[6] Aristob. Frag. 34 = Strabo xv, C. 714.

[7] Nearch. Frag. 7 = Strabo xv, C. 716. This may refer to the Kshatriya institution of *svayaṃvara* or 'self-choice.' A princess chose her husband from among the assembled suitors of her own free will or as the result of a contest in the use of warlike arms.

Onesicritus spoke of it as specially a custom of the Kshatriyas (Cathaeans)[1]. Aristobulus was told that the widow sometimes followed her husband to the pyre of her own desire, and that those who refused to do so lived under general contempt[2]. In the year 316 B.C. the leader of an Indian contingent which had gone to fight under Eumenes in Irān was killed in battle. He had with him his two wives. There was immediately a competition between them as to which was to be the *satī*. The question was brought before the Macedonian and Greek generals, and they decided in favour of the younger, the elder being with child. At this, the elder woman

went away lamenting, with the band about her head rent, and tearing her hair, as if tidings of some great disaster has been brought her; and the other departed, exultant at her victory, to the pyre, crowned with fillets by the women who belonged to her, and decked out splendidly as for a wedding. She was escorted by her kinsfolk who chanted a song in praise of her virtue. When she came near to the pyre, she took off her adornments and distributed them to her familiars and friends, leaving a memorial of herself, as it were, to those who had loved her. Her adornments consisted of a multitude of rings on her hands set with precious gems of diverse colours, about her head golden stars not a few, variegated with different sorts of stones, and about her neck a multitude of necklaces, each a little larger than the one above it. In conclusion, she said farewell to her familiars and was helped by her brother onto the pyre, and there to the admiration of the crowd which had gathered together for the spectacle she ended her life in heroic fashion. Before the pyre was kindled, the whole army in battle array marched round it thrice. She meanwhile lay down beside her husband, and as the fire seized her no sound of weakness escaped her lips. The spectators were moved, some to pity and some to exuberant praise. But some of the Greeks present found fault with such customs as savage and inhumane[3].

The Greeks, we find, had a theory to account for the custom, whether of their own invention or suggested to them by Indian informants we cannot say. The theory was that once upon a time wives had been so apt to get rid of their husbands by poison that the law had to be introduced which compelled a widow to be burnt with her dead husband[4].

As to the disposal of the dead, the absence of funeral display and of imposing monuments seemed strange to the Greeks. The virtues of the dead—so they understood the Indians to say—were sufficient monument and the songs which were sung over them[5]. When the Greeks tell us that the dead were exposed to vultures,

[1] Strabo XV, C. 700.

[2] Aristob. Frag. 34 = Strabo XV, C. 714.

[3] Diod. XIX, 84. This description contains many resemblances to the account of the *Sati* in the *Harshacharita* of Bāṇa (trans. Cowell and Thomas, pp. 150 f.).

[4] Strabo XV, C. 700; Diod. XIX, 83.

[5] Megasth. Frags. 26, 27 = Arr. *Ind.* 10; Strabo XV, C. 710.

we can only understand it of certain peoples near the frontier who had been influenced by the customs of Irân[1].

The assertion of the Greeks that slavery was unknown in India —or, according to Onesicritus, was unknown in the kingdom of Musicanus (Upper Sind)[2]—is curious. That slavery was a regular institution in India is certain. Indian slavery must have looked so different to a Greek observer from tho slavery he knew at home that he did not recognise it for what it was.

As to the government, the king himself is, of course, the prominent figure. He took the field with his army in war: in peace his public appearances were of three kinds. In the first place, he spent a considerable part of the day in hearing the cases brought to him for judgment. Even at his hour for undergoing the *massage* with ebony rollers he did not retire, but went on listening to the pleadings whilst four masseurs plied their art upon him. In the second place, he came forth to perform sacrifice, and in the third place to go a-hunting. His going forth to the chase was like the processions of Dionysus. The road of the royal cortège was roped off from common spectators. There was the king surrounded by a crowd of his women, themselves carrying weapons, in chariots, on horses, on elephants, the body-guard enclosing them all in a larger circle, and a band with drums and bells going on in front. Sometimes the king shot from a platform, defended by a stockade, sometimes from the back of an elephant. Within the doors of the palace, the king's person was tended by the women of his zenana, bought for a price from their fathers. But he was not beyond the reach of danger. A stern custom ordained that should he become intoxicated, any of his women who killed him should receive special honour. And even though he remained sober, he had, like the late Sultan Abdul Hamid, to be continually changing the place where he lay at night, in order to evade conspirators[3].

Nearchus (?) had already noted that Indian kings were not saluted, as Persian kings were, by prostration, but by the persons approaching them raising their hands—the Greek attitude in prayer[4]. A great occasion at court, according to one source before Strabo, was when the king washed his hair. Everyone then tried to outdo his fellows by the magnificence of his presents[5]. Clitarchus

[1] Aristobulus seems to have attributed the custom to Takshaçilâ, Frag. 34=Strabo xv, C. 714.

[2] Megasth. Frags. 26, 27; Onesic. Frag. 20=Arr. *Ind.* 10; Strabo xv, C. 710.

[3] Megasth. Frag. 27=Strabo xv, C. 710.

[4] Strabo xv, C. 717.

[5] Strabo xv, C. 718.

—a questionable authority—described the pageantry of a court festival—the elephants bedizened with gold and silver, chariots drawn by horses, and ox-waggons, the army in full array, the display of precious vessels of gold and silver, many of them studded with gems. Collections of animals of all kinds were also a great feature, panthers and lions. There were great waggons carrying whole trees to which a variety of birds bright in plumage or lovely in song were attached[1]. Animals, according to another source, were a usual form of offering to bring to the king. 'The Indians do not think lightly of any animal, tame or wild.' And the king apparently accepted all kinds, not rare ones only, but cranes and geese and ducks and pigeons. Or one might bring wild ones, deer and antelopes or rhinoceroses[2]. On one great annual festival amusement took the form of butting matches between rams or wild bulls or rhinoceroses, or fights between elephants[3]. Races provoked great excitement. They usually took place between chariots to each of which one horse between two oxen was harnessed. There was very heavy betting on these occasions, in which the king himself and his nobles led the way. And their example was followed on a humbler scale by the crowd of spectators[4]. The king—if Megasthenes is the source, we may understand Chandragupta—had a guard of twenty-four elephants. When he went forth to do justice, the first elephant was trained to do obeisance. At a word from the driver and a touch with the goad, it gave some military salute as the king passed[5].

The predecessors of Chandragupta, whose line he supplanted, had borne, Megasthenes said, beside their personal names, the royal name *Pāṭaliputra*, and Chandragupta had assumed it also when he seized the throne[6].

The account which Megasthenes gave of the various officials points to a highly organised bureaucracy. They were, he said, of three kinds: (1) *Agronomoi* [surely ἀγρονόμοι should be read for ἀγορανόμοι], district officials; (2) *astynomoi*, town officials; and (3) members of the War Office. The duties of the first kind were to supervise (1) irrigation and land-measurement, (2) hunting, (3) the various industries connected with agriculture, forestry, work in timber, metal-foundries, and mines, and they had (4) to

[1] Clitarch. Frag. 17 = Strabo XV, C. 718.

[2] Aelian, *Nat. Anim.* XIII, 25; compare the list of presents sent to the king in the *Harshacharita* (trans. Cowell and Thomas, pp. 213–5).

[3] Aelian, *Nat. Anim.* XV, 15.

[4] Aelian, *Nat. Anim.* XV, 24.

[5] Aelian, *Nat. Anim.* XIII, 22. Cf. Chapter XIX, p. 493.

[6] Megasth. Frag. 25 = Strabo XV, C. 702.

maintain the roads and see that at every ten *stadia* (the sixth part of a *yojana*[1]) there was a milestone, indicating the distances[2] (this is the passage which proves that Megasthenes did not mean to assert a general ignorance of the art of writing in India). The second kind, the town officials, were divided into six Boards of Five. Their respective functions were (1) supervision of factories, (2) care of strangers, including control of the inns, provision of assistants, taking charge of sick persons, burying the dead, (3) the registration of births and deaths, (4) the control of the market, inspection of weights and measures, (5) the inspection of manufactured goods, provision for their sale with accurate distinction of new and second-hand articles, (6) collection of the tax of 10 per cent. charged on sales. The six Boards acting together exercised a general superintendence over public works, prices, harbours, and temples. The third kind of officials constituted the War Office, and were also divided into six Boards of Five. The departments of the six were (1) the admiralty, (2) transport and commissariat, (3) the infantry, (4) the cavalry, (5) the chariots, (6) the elephants. Connected with the army were the royal stables for horses and elephants, and the royal arsenal. A soldier's weapons and horse were not his own property, but the king's, and they went back to the arsenal and the royal stables at the conclusion of a campaign[3].

As to industries, it is curious that these early European observers should tax Indians with being backward in the scientific development of the resources of their country. They had, for instance, good mines of gold and silver, yet 'the Indians, inexperienced in the arts of mining and smelting, do not even know their own resources, but set about the business in too primitive a way'[4]. 'They do not pursue accurate knowledge in any line, except that of medicine; in the case of some arts, it is even accounted vicious to carry their study far, the art of war, for instance[5].' On the other hand, Nearchus spoke of the cleverness of the Indian craftsmen. They saw sponges used for the first time by the Macedonians and immediately manufactured imitations of them with fine thread and wool, dyeing them to look the same. Other Greek articles, such as the scrapers and oil-flasks used by athletes they quickly learnt to make. For writing letters, they used some species of fine tissue closely woven. They also used only cast bronze, but not hammered, so that their vessels broke like earthenware, if they fell[6].

[1] Rhys Davids, *Buddhist India*, p. 265.
[2] Cf. Strabo xv, C. 689.
[3] Megasth. Frag. 36 A = Strabo xv, C. 707.
[4] Strabo xv, C. 700.
[5] Strabo xv, C. 701.
[6] Nearchus, Frag. 7 = Strabo xv, C. 716.

About the Indian 'philosophers' Megasthenes had a good deal to say[1]. They might be divided on one principle according as they dwelt in the mountains and worshipped Dionysus (Çiva) or in the plains and worshipped Heracles (Kṛishṇa), but the more significant division was that into Brāhmans, and 'Sarmanes.'

The Brāhmans have the greatest prestige, since they have a more consistent dogmatic system. As soon as they are conceived in the womb, men of learning take charge of them. These go to the mother and ostensibly sing a charm tending to make the birth happy for mother and child, but in reality convey certain virtuous counsels and suggestions; the women who listen most willingly are held to be the most fortunate in child-bearing. After birth, the boys pass from one set of teachers to another in succession, the standard of teachers rising with the age of the boy. The philosophers spend their days in a grove near the city, under the cover of an enclosure of due size, on beds of leaves and skins, living sparely, practising celibacy and abstinence from flesh-food, listening to grave discourse, and admitting such others to the discussion as may wish to take part. He who listens is forbidden to speak, or even to clear his throat or spit, on pain of being ejected from the company that very day, as incontinent. When each Brāhman has lived in this fashion thirty-seven years, he departs to his own property, and lives now in greater freedom and luxury, wearing muslin robes and some decent ornaments of gold on his hands and ears, eating flesh, so long as it is not the flesh of domestic animals, but abstaining from pungent and highly-seasoned food. They marry as many wives as possible, to secure good progeny; for the larger number of wives, the larger the number of good children is likely to be; and since they have no slaves, they depend all the more upon the ministrations of their children, as the nearest substitute. The Brāhmans do not admit their wives to their philosophy: if the wives are wanton, they might divulge mysteries to the profane; if they are good, they might leave their husbands, since no one who has learnt to look with contempt upon pleasure and pain, upon life and death, will care to be under another's control. The chief subject on which the Brāhmans talk is death; for this present life, they hold, is like the season passed in the womb, and death for those who have cultivated philosophy is the birth into the real, the happy, life. For this reason they follow an extensive discipline to make them ready for death. None of the accidents, they say, which befall men are good or evil. If they were, one would not see the same things causing grief to some and joy to others—men's notions being indeed like dreams—and the same men grieved by something which at another moment they will turn and welcome. Their teaching about Nature is in parts naive; for they are more admirable in what they do than in what they say, and the theoretic proofs on which they base their teaching are mostly fable. In many points however their teaching agrees with that of the Greeks—for instance, that the world has a beginning and an end in time, and that its shape is spherical; that the Deity, who is its Governor and Maker, interpenetrates the whole; that the first principles of the universe are different, but that water is the principle from which the order of the world has come to be; that, beside the four elements, there is a fifth substance, of which the heavens and the stars are made[2]; that the earth is established at the centre of the universe. About generation and the soul their teaching shows parallels to the Greek doctrines, and on many other

[1] Megasth. Frag. 40 = Strabo xv, C. 711 f.

[2] This is the *ākāça*, or all-pervading element, of ancient Indian philosophy. It may be compared with the *ether* of modern physical science.

matters. Like Plato too, they interweave fables, about the immortality of the soul and the judgments inflicted in the other world, and so on.

Such is the account of the Brāhmans which Strabo extracted from Megasthenes. It does not completely agree either with the picture drawn in Indian literary sources or with present-day practice. Its discrepancies may be in part due to the misunderstandings of a foreigner; in part they may reflect local varieties of practice in the fourth century B.C. It will always be interesting as recording the impression of ancient India upon a Greek mind. The account which Megasthenes gave of the other kind of philosophers, the 'Sarmanes,' is more problematic. Their name seems certainly to represent the Sanskrit *çramaṇa*, a term which was commonly applied to Buddhist ascetics. It has therefore been thought that we have in the Sarmanes of Megasthenes the first mention of Buddhists by a Western writer. In the description however there is nothing distinctively Buddhist, and the term *çramaṇa* is used in Indian literature of non-Buddhist ascetics. If therefore the people to whom Megasthenes heard the term applied were Buddhists, he must have known so little about them that he could only describe them by features which were equally found in various sorts of Hindu holy men. His description applies to Brāhman ascetics rather than to Buddhists.

As to the Sarmanes, the most highly-honoured are called 'Forest-dwellers'[1]. They live in the forests on leaves and wild fruits, and wear clothes made of the bark of trees, abstaining from cohabitation and wine. The kings call them to their side, sending messengers to enquire of them about the causes of events, and use their mediation in worshipping and supplicating the gods. After the Forest-dwellers, the order of Sarmanes second in honour is the medical—philosophers, as it were, on the special subject of Man. These live sparely, not in the open air indeed, but on rice and meal, which every one of whom they beg and who shows them hospitality gives them. They know how by their simples to make marriages fertile and how to procure male children or female children, as may be desired. Their treatment is mainly by diet and not by medicines. And of medicines they attach greater value to those applied externally than to drugs. Other remedies, they say, are liable to do more harm than good. These too, like the Brāhmans, train themselves to endurance, both active and passive, so much so that they will maintain one posture without moving for the whole day. Other orders of Sarmanes are diviners and masters of incantations and those who are versed in the lore and the ritual concerning the dead, and go through the villages and towns, begging. Others again there are of a higher and finer sort, though even these will allow themselves to make use of popular ideas about hell, of those ideas at any rate which seem to make for godliness and purity of life. In the case of some Sarmanes, women also are permitted to share in the philosophic life, on the condition of observing sexual continence like the men.

[1] Literally, *vanavāsins* or *vānaprasthas*, i.e. Brāhmans in the third stage of the religious life.

The fact that women were allowed to associate themselves with the men as ascetics was also noted by Nearchus[1]. Suicide, Megasthenes said, was not a universal obligation for 'wise men': it was considered however rather a gallant thing [τοὺς δὲ ποιοῦντας τοῦτο νεανικοὺς κρίνεσθαι] and the more painful the manner of death, the greater the admiration earned[2].

Aristobulus in his book gave further details about the holy men whom the Greeks had come upon at Takshaçilā. He described two, one of whom had a shaven head and the other long hair; each was followed by a number of disciples. All the time that they spent in the market-place men came to them for counsels, and they had a right to take without payment any of the wares exposed for sale. When they approached a man, he would pour sesame oil over them 'so that it ran down even from their eyes.' They made cakes for themselves from the honey and sesame brought to market. When they had been induced to come to Alexander's table, they retired afterwards to a place apart where the elder lay on his back, exposed to sun and rain, and the younger stood on his right and left leg alternately for a whole day, holding up a staff some six feet long in both his hands. The elder seems to have been identical with the ascetic who afterwards followed Alexander out of India and whom the Greeks called Kalanos[3].

In one passage[4] Strabo gives an account of the 'philosophers' drawn from some other source than Megasthenes. According to this source, the wise men were divided into Brāhmans and a class, described as 'argumentative and captious,' who laugh at the Brāhmans as charlatans and senseless, because the Brāhmans pursue the study of Nature and of the stars. The name given in our texts to this anti-Brāhman class is *Pramnai*. This should not be emended to *Sramnai*, as was once done, on the supposition that it represented *çramaṇa*[5]. The people intended are undoubtedly the *prāmāṇikas*, the followers of the various philosophical systems, each of which has its own view as to what constitutes *pramāṇa*, a 'means of right knowledge.' These philosophers are, as a rule, orthodox Brāhmans, but they view with contempt those Brāhmans who put their trust in Vedic ceremonies[6]. The Brāhmans themselves

[1] Nearchus, Frag. 7 = Strabo xv, C. 716. The practice is forbidden in the *Arthaçāstra*, 19 (p. 48).

[2] Megasth. Frag. 42 = Strabo xv, C. 718.

[3] Aristob. Frag. 34 = Strabo xv, C. 714. See Chapter xv, pp. 359, 381.

[4] xv, C. 719.

[5] M'Crindle, *Ancient India*, p. 76.

[6] See Rapson, *Ancient India*, pp. 58–61.

are divided by this source into (1) those who live in the mountains, (2) the naked ones, and (3) those who live in the world. The Mountain-dwellers dress in deer-skins and carry wallets full of roots and simples, making pretence to some art of healing by means of hocus-pocus and spells and charms. The Naked Ones live, as their name imports, without clothes, in the open air for the most part, practising endurance up to the age of thirty-seven. Women may live with them, bound to continence. These are the class most reverenced by the people. The third sort of Brāhmans, those who live in the world, are to be found in the towns or villages, dressed in robes of fine white linen, with the skins of deer or of gazelles hung from their shoulders. They wear beards and long hair which is twisted up and covered by a turban. It seems clear that those who are here described as the Mountain-dwellers correspond most nearly to the Sarmanes of Megasthenes.

Of the gods worshipped by the Indians the Greeks learnt little. One writer cited by Strabo (Clitarchus ?) had asserted that they worshipped Zeus Ombrios (Zeus of the Rain Storms), the river Ganges, and local daemons[1]. As we have seen, Çiva and Kṛishṇa are to be discerned through the Greek names Dionysus and Heracles in some of the statements of our sources. One member of Alexander's suite, his chief usher (*εἰσαγγελεύς*), Chares of Mytilene, is quoted as saying the Indians worshipped a god Soroadeios, whose name being interpreted meant 'maker of wine'[2]. It is recognised that the Indian name which Chares heard was Sūryadeva 'Sun-god.' Some ill-educated interpreter must have been misled by the resemblance of *sūrya* 'sun' to *surā* 'wine.'

The name 'Indians' was extended in its largest acceptance to cover the barbarous tribes of mountain or jungle on the confines of Brāhman civilisation. In noting down what seemed to them odd points in the physical characteristics or customs of these tribes the Greeks were moved by an interest which is the germ of the modern science of anthropology. Megasthenes noted that in the Hindu Kush the bodies of the dead were eaten by their relations[3], as Herodotus had already stated of some aboriginal people.

Even Megasthenes depended, of course, mainly upon his Indian informants for knowledge of the peoples on the borders of the Indian world, and he therefore repeated the fables as to the monstrous races

[1] Strabo xv, C. 718. The god Indra seems to be identified with Zeus.

[2] Athenaeus I, 27 D.

[3] Megasth. Frag. 27 = Strabo xv, C. 710.

with one leg, with ears reaching to their feet and so on, which had long been current in India and had already been communicated to the Greeks by Scylax and Hecataeus and Ctesias. One would however like to know the fact which lies behind his story that members of one tribe, living near the sources of the Ganges, had been brought to the camp of Chandragupta—'men of gentler manners—but without a mouth! They lived on the fumes of roast meat and the smell of fruits and flowers. And since nostrils with them took the place of mouths, they suffered terribly from evil odours, and it was difficult to keep them alive, especially in a camp[1]!' Does the notice reflect some sect who, like the Jains, abstained from all animal food and kept their mouths covered lest they should breathe in minute insects?

Of the south of India, Europe up to the Christian era knew little more than a few names, brought by merchantmen. So little was the division of India into two worlds by the Vindhya realised that Strabo could suppose all Indian rivers to take their rise in the Himālayas[2]. It was chiefly as the country from which pearls came that the Greeks knew Southern India. Pearls came from the coasts of the Pāṇḍya kingdom corresponding roughly with the modern districts of Madura and Tinnevelly, and Megasthenes had heard, as we know, of Pandaea the daughter of Heracles (Kṛishṇa) who had become queen of a great kingdom in the south. With her he also connected the pearl. Heracles, according to the legend told him, wandering over the earth, had found this thing of beauty in the sea, made, it might seem, for a woman's adornment. Wherefore from all the sea pearls were brought together to the Indian coast for his daughter to wear. The origin of the word which the Greek used for pearl, *margarites*, is unknown.

Some confused knowledge of how pearls were procured had come to the Greek writers through the traders' stories. They knew that they grew in oysters. Two of the companions of Alexander, Androsthenes of Thasos, who had gone in the fleet with Nearchus and wrote a book called Παράπλους τῆς Ἰνδικῆς, and the chief usher Chares, had already some information as to the varieties of pearls and the chief fisheries[3]. The oysters, Megasthenes understood, were caught in nets; they went in shoals, each shoal with a king of its own, like swarms of bees, and to

[1] Megasth. Frag. 30 = Strabo XV, C. 711; Plin. *Nat. Hist.* VII, § 25. An explanation of the legend is proposed by the Rev. H. Hosten, *The Mouthless Indians of Megasthenes*, in the *J.A.S.B.*, 1912, pp. 291–301.

[2] XV, C. 690.

[3] Athenaeus III, 93 A–D.

capture the king was to capture the shoal. The oysters caught, were put in jars, and as their flesh rotted the was left disengaged at the bottom[1]. The name of the e: southern point of the peninsula had also travelled to the (before the time of Strabo. He knew it as the country of the Cǫ this was derived from the name in local speech, Kōri. The] when it made a woman the sovereign of the south, was pr reflecting the system of mother-right which has to some obtained there even to the present day. Some of the pl characteristics of the people of the south were known by re that they were darker in complexion, for instance, than the I of the north. The facts of early maturity and of the g shortness of life were also known. In the legend narrat Megasthenes, as we saw, the precocious maturity which H(had bestowed upon his daughter by a miracle continued t(characteristic of the women of her kingdom. They were mai able, and could bear children, Megasthenes said, at seven old. This exaggeration was presumably due to the real fact of marriage. As to the general length of life, forty years w: maximum—again a fact, the relative shortness of life, exagge1

In the book of Onesicritus occurred the first mention by a pean writer of Ceylon. He heard of it under a name which the represents as Taprobane. It lay, of course, far outside the hori the Greeks, but Onesicritus must have met people on the Indı knew of the southern island by the report of merchants, c perhaps fared thither themselves along the coast of Malaba spoke of Tāmraparṇī and of its elephants, bigger and more te in war than those which the Greeks had seen in India[4].] bane was seven days' journey, according to the sources follow Eratosthenes, from the southernmost part of India (the (= Cape Kōri)[5]. The strait separating Ceylon from India i. forty miles across, but it may have been true in practice tha the port whence the merchants put out to go to Ceylon aı port where they landed was a voyage of seven days. Onesi(put it at 20 days; we cannot say now what fact underl8 misapprehension. When he said that the 'size' of Taprobaı 5000 *stadia* the ambiguity of the statement already pro complaint in antiquity.

[1] Megasth. Frag. 23 = Arr. *Ind.* 8; Plin. *Nat. Hist.* IX, § 111.
[2] XV, C. 689.
[3] Megasth. Frag. 23 = Arr. *Ind.* 9.
[4] Frag. 18 = Strabo XV, C. 691; Frag. 22 = Plin. *Hist. Nat.* VI, § 81.
[5] Strabo XV, C. 690.
[6] Onesicr. Frag. 13 = Strabo XV, C. 691.

For many centuries the India known to the West was India as portrayed by the historians of Alexander's expedition and by Megasthenes. Although from the third century onwards there was a certain amount of intercourse between the Mediterranean world and India, although Greek kings ruled in the Punjab and Alexander's colonies were still represented by little bodies of men Greek in speech, although there must occasionally have been seafaring men in the Greek ports who had seen the coasts of India or merchants who had made their way over the Hindu Kush the Greek and Latin learned world was content to go on transcribing the books written generations before. These had become classical and shut out further reference to reality. The original books themselves perished, but their statements continued to be copied from writer to writer. Some of the later Greek and Latin works which treated of India are known to us to-day only by their titles or by a few fragments—the works of Apollodorus of Artemita (latter half of second century or first century B.C.), the works of the great geographer Eratosthenes (276–195 B.C.) and of the voluminous compiler, Alexander Polyhistor (105 till after 40 B.C.). But a great deal of the original books is incorporated in writings which we do still possess, especially in the geographical work of Strabo (about 63 B.C.–19 A.D.), the historical work of Diodorus (in Egypt about 60 B.C., still alive 36 B.C.), the encyclopaedic work of Pliny (published about 75 A.D.), the tract of Arrian about India (middle of second century A.D.), and the zoological work of Aelian (end of second century A.D.). Even Pliny had probably never had the work of Megasthenes in his hands, but drew from it only at second or third hand through Seneca and Varro. In the third century A.D., when Philostratus in his romance brings Apollonius of Tyana to India, it is still out of the old traditional materials that what purports to be local colour all comes.

So far as the stock of knowledge handed down from the third century B.C. was increased at all during the following three centuries, it can only have been from the source of information just indicated, the source which might have been turned to so much richer account, had the curse of literary convention not rested upon classical culture—the first-hand practical knowledge possessed by Greek merchantmen who crossed the Indian ocean. Strabo had sufficient freedom of mind to take some notice of the Indian trade in his own day. From him we gather that, although a considerable amount of Indian merchandise had flowed into Europe by way of the Red Sea and Alexandria, when the Ptolemies ruled in Egypt

very few Greek ships had gone further than South Arabia. Goods had been carried from India to South Arabia in Indian or Arabian bottoms. By the time however that Strabo was in Egypt (25 B.C.) a direct trade between Egypt and India had come into existence, and he was told that 120 vessels were sailing to India that season from Myos Hormos, the Egyptian port on the Red Sea[1]. A few Greek merchantmen, but very few, sailed round the south of India to the mouth of the Ganges[2]. The vessels that went to India apparently made the journey by coasting along Arabia, Persia, and the Makrān, for it was not till the middle of the first century A.D. that a Greek seaman, named Hippalus, discovered that the monsoon could be utilised to carry ships from the straits of Bab-el-Mandeb over the high seas to India[3]. It lies however outside the scope of this volume to survey the additions made by means of this commerce under the Roman Empire to the knowledge of India derived from the companions of Alexander and Megasthenes. The additions never equalled in substance or interest the older books. Far on into the Middle Ages Christian Europe still drew its conceptions of India mainly from books written before the middle of the third century B.C.

[1] Strabo II, C. 118. [2] Strabo XV, C. 686.
[3] Schoff, *The Periplus of the Erythraean Sea*, p. 8.

CHAPTER XVII

THE HELLENIC KINGDOMS OF SYRIA, BACTRIA, AND PARTHIA

THE mists of obscurity cling heavily round the course that events took in India during the years that immediately followed the death of Alexander the Great. The statements of the original authorities, besides being meagre, are so fragmentary that they are seldom perfectly intelligible. One fact, however, seems to stand out clearly. As soon as the grip of the master-hand was removed, the native element began to recover strength and courage, a process which must have been materially assisted by discord amongst the Europeans who had been left behind, whether as soldiers or as settlers. As conqueror of the Persian empire, Alexander had inherited the system of government by satraps; and, so far as can now be gathered, the broad outline of his original organisation contemplated three great Indian satrapies, one corresponding roughly to the modern province of Sind, another covering the whole of the basin of the Upper Indus from the foot of the Paropanisus, or Hindu Kush, to the banks of the Hydaspes (Jhelum), and a third stretching from the southern shore of the last-named river to the northern shore of the Hyphasis (Beās). The first two included the old Achaemenid provinces of 'India' or 'the country of the Indus,' and Gandhāra which corresponds to the present districts of Peshāwar and Rāwalpindi. The third represents probably the region 'conquered' and not merely 'reclaimed' by Alexander. In accordance with the traditional Indian policy (Manu VII, 202) that a conquered kingdom should continue to be governed by some member of its ancient royal family, very important positions were assigned to the native rājas, Taxiles and Porus, the latter being placed in sole charge of the satrapy that included his original kingdom, the country between the Hydaspes and the Acesines (Chenāb)[1]. According to Diodorus

[1] For Taxiles, the king of Takshaçilā, and Porus (Paurava), the king of the Pūrus, see Chapter XV, pp. 345, 349.

(XVIII, 3, 4), they were recognised as virtually independent rulers. And they appear to have been quick to make use of their opportunity. The accounts of the division of the empire by Alexander's generals at Babylon (323 B.C.) and those of the subsequent partition of Triparadisus (321 B.C.) agree in pointing to a considerable modification of the limits of the Indian satrapies as at first mapped out. A Macedonian—Pithon, son of Agenor—seems to be entrusted with the control of the land lying between the Paropanisus and the Indus; Taxiles is left supreme in the country between the Indus and the Hydaspes; and Porus is given a great accession of territory, his sphere of influence now extending all the way down the main stream to the sea. Diodorus more than hints that the recognition thus accorded to the native princes was due to a wholesome respect for their material power: Antipater, he says (XVIII, 39, 6), felt that it would be dangerous to attempt to circumscribe their jurisdiction except with the support of an expedition equipped on a scale of the first magnitude and commanded by a general of the highest capacity.

To some the story of this readjustment, and more particularly of the aggrandisement of Porus, has appeared so surprising that they decline to accept it as authentic, and are disposed to explain it away by an underlying confusion. But there is no sufficient ground for setting aside the written record. Further, if Diodorus (XVIII, 3, 2) and Quintus Curtius (X, 10, 4) are right in stating that, so far as Asia was concerned, the momentous assembly which decreed the partition of Babylon did no more than ratify arrangements already sanctioned by the dead king, the change must have come during the lifetime of Alexander. That there was unrest in the land almost as soon as he had quitted it, is indeed evident from what happened in the satrapy of the Upper Indus. Before he reached Carmania on his westward march, he was overtaken by tidings of the assassination of Philippus, the Macedonian governor whom he had installed as satrap there. And, though we learn from Arrian (VI, 27, 2) that the immediate cause of the murder was an ebullition of the undying jealousy between Greeks and Macedonians, the incident may well have been symptomatic of more deeply seated trouble. At all events Alexander decided that it was not convenient to fill the place of Philippus at the moment. Instead, he sent despatches to Taxiles and to a Thracian officer called Eudamus or Eudemus, instructing them to make themselves responsible for the government until another satrap should be nominated. Presumably their functions were to be separate. It is

reasonable to suppose that the general conduct of affairs would be delegated to Taxiles, and that Eudamus would be given the command of the scattered bodies of Greek and Macedonian troops, as well as some measure of authority over the various colonists of Hellenic nationality.

Whether the new appointment that Alexander had foreshadowed was ever made, is doubtful. It may be that circumstances proved too strong for him, and that the arrangement revealed by the partitions of Babylon and Triparadisus represents what he had perforce to assent to. In any case the dual system of control, which he had set up as a temporary make-shift, bore within it from the outset the seeds of intrigue and ultimate rupture. Eudamus, it will be observed, is not mentioned in connexion with either of the partitions. Yet he appears to have retained some sort of position as leader of the Hellenic 'outlanders' in the valleys of the Indus and Hydaspes. Ere long he drifted into conflict with the native Indian element. Before 317 B.C. he had Porus treacherously slain, seized his war-elephants, and marched, with all the forces he could muster, to join the coalition of Eastern satraps who had drawn together to oppose the arrogant pretensions of their colleague of Media (Diod. XIX, 14, 8). The thunder of the captains and the shouting had also reached the ears of Pithon, son of Agenor, and he too had abandoned his province to fling himself into the fray. Neither ever returned. Eudamus met his doom at the hands of Antigonus (Diod. XIX, 44, 1). Pithon fell fighting by the side of Demetrius at the battle of Gaza (Diod. XIX, 85, 2). Nor had either any successor in his Indian command, a fact that is surely full of significance. May not their withdrawal from India be most simply accounted for on the supposition that each had become alive to the hopelessness of his situation?

Such an hypothesis would be entirely consistent with the scene that confronts us when next the curtain rises on the drama of Graeco-Indian relations. Taxiles, like Porus, has disappeared from the stage. But his place is filled by a figure of much more heroic proportions. By the time that Seleucus Nicator, founder of the dynasty that bears his name, had made his position in Babylon so secure as to be able to turn his attention to the extreme east of the dominions he had won, a new ruler had arisen in India. Chandragupta or, as the Greeks called him, Sandrocottus, the first of the Maurya emperors, had made himself master of the whole of the north. In his youth he had seen Alexander the Great, and when he grew to manhood he put into practice some of the

lessons which Alexander's success was calculated to teach. It has been conjectured that he employed Greek mercenaries in his struggle with Nanda or Nandrus, the king of Magadha (S. Bihār) on the ruins of whose power he rose to greatness; he certainly seems to have adopted western methods in the training and discipline of his local levies. Under his leadership India threw off the last remnants of the Macedonian yoke. And, if we can rely on Justin, the revolution was not a bloodless one: he indicates (xv, 4) that such of the Macedonian prefects as still held their posts were ruthlessly put to the sword.

The date of the Indian expedition of Seleucus I is doubtful. Von Gutschmid placed it c. 302 B.C.; and, although his calculation rests on what is probably an erroneous view as to the period when the coins of Sophytes (cf. *supra*, p. 388) were issued, it is quite possible that he has come within two or three years of the truth. It was not till 311 that the Satrap of Babylon—he had not yet assumed the title of king—was free to quit his capital with an easy mind, and devote his energies to consolidating his authority in the more distant provinces. The task must have required time, for some hard fighting had to be done, notably in Bactria. But, beyond the bare statement of Justin (xv, 4) to that effect, we have no details. We may suppose that about 305 or 304, at the latest, he deemed himself ready to demand a reckoning with Chandragupta. Advancing (we may be certain) by the route along the Kābul river, he crossed the Indus (Appian, *Syr.* 55). The minute topographical knowledge which Strabo (xv, 689) and Pliny (*N.H.* vi, 63) display, and more particularly the vague assertion of the latter that 'all the remaining distances were searched out for Seleucus Nicator' have led Droysen and others to conclude that he not merely entered the territory he had come to regain, but actually penetrated as far as Palibothra (Pāṭaliputra) on the Ganges, the chief seat of his enemy's power, whence he made his way along the banks of the river to the sea. The premises, however, are scarcely substantial enough to bear so far-reaching a conclusion. Pliny may quite well have had in his mind, not reconnaissances made during a campaign, but information gathered subsequently by the Greek envoys who, as we shall see presently, resided at the court of the Indian king.

Chandragupta could put into the field more than half a million of men, with 9000 war-elephants and numerous chariots to boot. If Seleucus had really forced his way to the shores of the Bay of Bengal in the teeth of an opposition so formidable, his astonishing feat was hardly likely to have been left to a Roman geographer to

chronicle. Besides, in that event the upshot of the campaign would surely have been a more decided triumph. As it is, the terms of peace point to a frank recognition by Seleucus that his own arm was neither long enough nor strong enough to govern India from Babylon. Invader and invaded, we are told, concluded an alliance and sealed it by a further compact, which Appian (*Syr.* 55) calls a *κῆδος*, Strabo (XV, 724) an *ἐπιγαμία*. According to ordinary Greek usage these two terms are scarcely consistent one with another. The former would naturally signify an actual marriage between individuals, and hence it is frequently argued that Seleucus must have become either the father-in-law or the son-in-law of Chandragupta. There seems, however, to be no room in his family circle, as we otherwise know it, for any relationship of the kind. Probably, therefore, it is safer to fall back on the technical meaning of Strabo's word, and to suppose that what is implied is a convention establishing a *jus connubii* between the two royal families. In that land of caste a *jus connubii* between the two peoples is unthinkable.

As regards territory, the arrangement appears, upon the face of it, to have been entirely favourable to Chandragupta. Not only did Seleucus acquiesce in his sovereignty over all the country beyond the Indus. He also transferred to him the satrapies of Arachosia (Kandahār) and the Paropanisadae (Kābul), with at least some portion of Gedrosia (Baluchistān) and of Aria (Herāt). In other words, the frontiers of the Maurya empire were extended so as to embrace the southern half of Afghānistān and perhaps the whole of British Baluchistān. The expression 'presented' (*ἔδωκε*), which is used by Strabo (*loc. cit.*) to describe the transaction, does not preclude the possibility of the transfer having been made upon conditions. A return gift of 500 war-elephants is, in fact, mentioned. But under no circumstances could that have been looked on as an equivalent. We may take it that there were further stipulations as to freedom of trade and the like, such as would naturally accompany an *ἐπιγαμία*. There may even have been a nominal and unmeaning acknowledgment of suzerainty. It must be borne in mind that the written record contains nothing to show that Seleucus suffered defeat, nothing even to suggest that the rival armies ever came to blows at all. The probability is that, while he was still endeavouring to gauge the magnitude of the task that confronted him, an urgent call for help reached him from the confederate kings across the 2500 miles that separated him from Asia Minor. The instinct of self-preservation required that he

should assist them. If he allowed Antigonus to crush Cassander, Lysimachus, and Ptolemy, his own turn would not be long in coming. It was only politic, therefore, to make the best terms he could with Chandragupta, whose 500 elephants reached the theatre of war in time to play a conspicuous part in the final overthrow of Antigonus at Ipsus in the year 301.

For more than a generation after that battle there is an almost complete blank in our knowledge of the history of Central Asia. Seleucus himself took up his residence at Antioch on the Orontes. But he soon realised that the new city lay too far west to be a convenient administrative centre for the eastern portion of his empire. Accordingly he entrusted the government of all the provinces beyond the Euphrates to his son Antiochus, on whom after the lapse of a few years he conferred the title of king. We are without definite information as to the exact date of this devolution of authority. It is generally assigned to 293 B.C., and cuneiform documents undoubtedly bear the names of 'Siluku' and 'Antiuksu' as joint-kings from 289 onwards[1]. In 281 Seleucus was assassinated. According to Memnon (*F.H.G.* III, 533, 12, 1) and Pausanias (I, 16, 2), Antiochus had already had his powers as co-regent greatly amplified, the whole of Asia having been committed to his care. In any case his father's death would render his immediate presence in the west imperative, if his heritage was to be maintained unimpaired. To the west he accordingly went. But it seems highly probable that the plan of stationing a viceroy of the east at Seleucia on the Tigris was still continued. Though no inkling of this has survived in any historian, cuneiform inscriptions record 'Antiuksu' and 'Siluku' as joint-kings from 275 (or possibly 280) to 269, and a similar cooperation between 'Antiuksu' and 'Antiuksu' from 266 to 263. 'Siluku' here is clearly Seleucus, the elder son of Antiochus by Stratonice; we gather from a chance fragment of John of Antioch (*F.H.G.* IV, 558, 55) that he was put to death on suspicion of conspiring against his father. The 'Antiuksu' who takes his place, is no less clearly his younger brother, destined to become sole ruler in 261 as Antiochus II (Theos).

Under all of these kings, including Antiochus II, the friendly relations originally established with the Maurya empire remained unbroken. The indications of this, if few, are sufficient. Athenaeus (I, 32, 18 D) has preserved a story of certain strange drugs sent as a present by Chandragupta to Seleucus I. And it is to the same writer (XIV, 67, 652 F and 653 A) that we owe an anecdote

[1] *Zeit. für Assyriologie*, VII, 234, 226; VIII, 108; *Keilinschrift. Bibl.* III, 2, 136 f.

of how Chandragupta's son, Bindusâra—or Amitrochates, to give him his Greek name[1],—wrote to Antiochus I, asking him to buy and have conveyed to him some sweet wine, some figs, and a sophist to teach him to argue. Antiochus replied, forwarding the figs and the wine, but explaining that sophists were not a marketable commodity among the Greeks. Nor was the intercourse between the courts confined to such occasional civilities. We know from Strabo and others that Megasthenes repeatedly—*πολλάκις* is Arrian's word (v, 6, 2)—visited Chandragupta's capital as an envoy of Seleucus, thereby acquiring a mass of information which made his writings on India an invaluable storehouse for later geographers, and that Daïmachus of Plataea also went on a mission or missions from Antiochus I to Bindusāra, likewise embodying his experiences in a book. Other Hellenic states must have been drawn into the circle of amity, for Pliny (*N.H.* VI, 58) speaks in the same breath of Megasthenes and of a certain Dionysius who (he explains) was despatched as an ambassador to India by Ptolemy Philadelphus. As Philadelphus reigned from 285 to 246, the Maurya emperor to whom Dionysius was accredited may have been either Bindusāra or his more famous son Açoka, whose attempt to convert the Hellenistic kings to Buddhism (see p. 502) is justly regarded as one of the most curious episodes in early Indian history.

It is natural to suppose that such intimate diplomatic relations would rest on a solid foundation of mutual commercial interest. And corroborative testimony is not altogether wanting. Strabo, speaking of the Oxus (Amu Daria), states (XI, 509) that it formed a link in an important chain along which Indian goods were carried to Europe by way of the Caspian and the Black Sea. He cites as one of his authorities Patrocles, who was an admiral in the service of Antiochus I, and thus makes it clear that the route was a popular one early in the third century B.C. Evidence of the prosperity of Central Asia at this period is also furnished by the coins. There need be no hesitation about associating with that region a well-known series of silver pieces, of Attic weight, having on the obverse a laureate head of Zeus, and on the reverse Athena fighting in a quadriga drawn by elephants. The inscription ΒΑΣΙΛΕΩΣ ΣΕΛΕΥΚΟΥ shows that they must be later than 306, when the royal title was first assumed. The denomination of most common occurrence is the tetradrachm; but drachms, hemidrachms, and obols are not infrequent. We are safe in assuming with Imhoof-Blumer that the majority of them were minted at Babylon

[1] For the name, or rather title, see Chapter XX, p. 495.

or at Seleucia on the Tigris. A minority, which are of a quite distinctive and somewhat coarser fabric, appear to hail from even farther east; the specimens in the British Museum have nearly all been purchased at Rāwalpindi, or obtained from collections formed in India. Generally, though not invariably, these latter have been struck from regularly adjusted dies (↑↓), while a few have monograms on the obverse (Pl. I, 15), features that at once recall certain of the Athenian imitations spoken of in an earlier chapter as coming from the same district (*supra*, p. 388). One small group of tetradrachms and drachms, from regularly adjusted dies, bears the inscription ΒΑΣΙΛΕΩΣ ΣΕΛΕΥΚΟΥ ΑΝΤΙΟΧΟΥ (Pl. II, 2), indicating probably, as Six and Imhoof have suggested[1], that the coins were minted during the viceroyalty of Seleucus, son of Antiochus I. The omission of the father's kingly title has thus a sinister significance. Unlike the rest, they are not of Attic weight, but follow the lighter standard already met with above in another connexion (*supra*, p. 387); the average weight of five tetradrachms is only 212·3 grains (13·82 grammes). The monogram [monogram] is placed on the reverse. Very rare drachms, reading ΒΑΣΙΛΕΩΝ ΣΕΛΕΥΚΟΥ ΚΑΙ ΑΝΤΙΟΧΟΥ, which are also struck on the lighter standard and show the same monogram (Pl. II, 1), are plainly of kindred origin. At the same time their superior style, coupled with the fact that they are struck from unadjusted dies, proves them to be somewhat earlier. In all likelihood they date from the period when Antiochus I himself was acting as his father's viceroy.

If the witness of the coins is an inarticulate one, its cu[illegible] effect is nevertheless impressive. It proves that there wa[illegible] life throbbing on both sides of the Indian frontier during t[illegible] or fifty years about which history is silent, that merchan[illegible] constantly coming and going, buying and selling. Wh[illegible] silence is at length broken, it is by the confused echo of an [illegible] rence that was fraught with momentous consequences to I[illegible]'s immediate future. The birth of the new kingdom of Bactria was an event of first-rate political importance. Bactria was the rich country between the Hindu Kush and the Oxus, corresponding in large measure to Northern Afghānistān. Beyond it, between the Oxus and the Jaxartes (Syr Daria), lay Sogdiāna (Bukhāra). The two provinces had cost Alexander no small effort to subdue. Partly on this account, and partly because of their natural wealth, he

[1] J. P. Six, *Num. Chron.*, 1898, p. 226; F. Imhoof-Blumer, *Num. Zeit.*, 1913, p. 183, and *Rev. suisse de Num.*, 1917, pp. 48 ff.

had planted them thickly with Greek colonies. Probably Seleucus, who experienced at least equal difficulty in getting his sovereignty acknowledged, had to encounter the determined resistance of colonists as well as of natives. In the end, as we know, he triumphed. During the rest of his reign, as well as throughout that of his successor, Bactria and Sogdiāna remained quiescent; the policy of stationing a viceroy at Seleucia was evidently justified by success. Under Antiochus II they shook themselves entirely free. Our chief authority for what happened is Justin. After speaking of the revolt of Parthia, he proceeds (XLI, 4): 'At the same time Diodotus, governor of the thousand cities of Bactria, rebelled and had himself proclaimed king.' In most texts the name of the leader of the movement is wrongly given as 'Theodotus.' The mistake, which goes back to the manuscripts, can be readily accounted for. The chronology is much more troublesome, since the several events by which Justin seeks to date the Parthian outbreak are spread over a period of not less than ten years. In the face of so much inconsistency we may be content with the broad conclusion that the formal accession of Diodotus took place about 250 B.C., at a time when Antiochus was not in a position to put an effective veto on the proceeding. An examination of the numismatic material may enable us to go a little further.

Among the coins bearing the name of Seleucus are very rare gold staters and silver tetradrachms, having on the obverse a portrait of the king with bull's horns, and on the reverse the head of a horned horse (Pl. II, 3). The same types, with the legend ΒΑΣΙΛΕΩΣ ΑΝΤΙΟΧΟΥ, are found on two unique silver pieces—a drachm and a tetradrachm (Pl. II, 4)—which may belong to the joint reign. All of these are struck from unadjusted dies, and all of them have on the reverse two monograms which, to judge from their complexity and from the manner in which they vary, must conceal the names of individual magistrates. Apparently in direct line of succession to the preceding comes a gold and silver series, beginning under Antiochus I and continued under Antiochus II, which contains staters (Pl. II, 5 and 6), tetradrachms (Pl. II, 7 and 8), and smaller denominations. The reverse type is the same, but the coins are now struck from carefully adjusted dies, usually ↑↓ but in one case ↑↑. The magistrate's names show little variation. As a rule, there is only one, that being (Δ), ΔI, or (ΔI)[1]. The device

[1] One tetradrachm (Babelon, *Rois de Syrie*, Pl. III, 16), which bears the head of Antiochus I and which must, therefore, come early in the series, appears to have (Δ) and is thus connected with the small group mentioned above (p. 434).

of a horse's head would be peculiarly appropriate to Bactria, with its famous cavalry, or to Sogdiāna; and it is undoubtedly from Afghānistān and Bukhāra that the coins in question usually come. As they cover at least part of the two reigns, they must be to some extent contemporary with certain gold staters and silver drachms which have a head of Antiochus I or of Antiochus II on the obverse, and on the reverse the ordinary Seleucid type of the seated Apollo (Pl. II, 9 and 10). Here again the dies have been carefully adjusted (↑↓). The magistrate's name, too, is obviously the same, being invariably Δ, ⏃, or ⓐ. It has sometimes been suggested that the monogram represents the name of a mint rather than of a magistrate. As against that view it must be remembered that the two parallel series differ not only in type but also in style, the treatment of the ends of the king's diadem being specially characteristic.

There can be no dispute as to the proper local attribution of the second of these two series. In style they have the closest possible affinity to a fairly numerous set of gold staters and silver tetradrachms and drachms, which also read ΒΑΣΙΛΕΩΣ ΑΝΤΙΟΧΟΥ, but which present types that we have not encountered hitherto. On the obverse is a youthful head, markedly unlike either Antiochus I or Antiochus II, and on the reverse is a full length figure of Zeus, thundering, with an eagle at his feet (Pl. II, 11 and 12); the dies are carefully adjusted (↑↓), but although letters and monograms occur freely, nothing to suggest ⓐ is ever found. Next in order comes a group of gold and silver coins, exactly resembling those just described excepting only in the legend, which is now ΒΑΣΙΛΕΩΣ ΔΙΟΔΟΤΟΥ (Pl. II, 13 and 14). We are thus brought into the presence of what is undoubtedly the money of the fully developed kingdom of Bactria, and at the same time we are put in possession of a clue which may guide us to a clearer understanding of some of the ground we have traversed. Gardner long ago pointed out that the head on the ΒΑΣΙΛΕΩΣ ΑΝΤΙΟΧΟΥ pieces was identical with that on the similar pieces with ΒΑΣΙΛΕΩΣ ΔΙΟΔΟΤΟΥ, and a glance at Plate II will demonstrate the soundness of his view. He proposed to recognise it as the portrait of Diodotus, and to regard its appearance on money bearing the name of the suzerain as a stage in the vassal's progress towards complete independence. Von Sallet, while refusing to accept Gardner's theory as to the portrait, agreed with him in assigning the whole of the coins to Diodotus, whose 'canting badge' he discerned in the figure of Zeus. Both scholars seem to be right in their positive contentions: the portrait is that of

Diodotus, and the figure of Zeus is the king's 'canting badge.' And it may be that there is further help to be got from the coins with the head of the horned horse and from those with the seated Apollo. We found that these two sets were to some extent parallel, and that the latter led naturally up to the Bactrian series proper. The monogram which was so prominent on both can be resolved most readily into ΔΙΟ[δότου]. The definite acceptance of that interpretation would enable us to reconstruct the story of the rise of Bactria somewhat on the following lines.

Early in the reign of Antiochus I a certain Diodotus was appointed satrap of Bactria and of some neighbouring province, not improbably Sogdiāna. The coins with the horse's head were already being struck in the second province in the name of the suzerain. Diodotus continued the issue and also opened, this time in Bactria, a new mint from which he issued, likewise in the name of Antiochus, the coins with the seated Apollo. The country plainly prospered under his rule, for the money with his monogram is far from uncommon, in spite of the remoteness of the region in which it is habitually discovered. His own position, too, must have grown stronger steadily, although for many years he made no attempt to break the slender tie that bound him to the Seleucid empire; he may have been the satrap of Bactria who, according to Chaldaean documents, sent twenty elephants to assist Antiochus I in his struggle with Ptolemy Philadelphus about 274–273 B.C. Ultimately, however, the centrifugal tendency prevailed and Bactria declared itself an independent state, Margiāna (Merv) and Sogdiāna being included within its frontiers. The change did not take place all at once. There was a period of transition, and this period had not quite come to an end when Diodotus died, leaving a son of the same name to carry his policy to its logical conclusion; the Diodotus whose portrait appears on the coins is a young man, much too young to have been a satrap in the days of Antiochus I. The father may or may not have assumed the title of king. The son was certainly the first to exercise the royal prerogative of issuing money in his own name, and even he contented himself at the outset with altering the types, while leaving the inscription untouched[1]. With the introduction of his 'canting badge,' he abandoned the use of the monogram. Simultaneously he closed

[1] A unique gold stater, acquired by the Rev. E. Rogers while these sheets were passing through the press, shows that to begin with he retained the portrait, as well as the name, of his suzerain. The thundering Zeus appears on the reverse, but the obverse bears an unmistakable head of Antiochus II, closely resembling *J.H.S.*, 1908, Pl. I, 3.

the older mint, where the coins with the horse's head had been struck, a step which points to a concentration of his administrative forces. Such a reconstruction is not merely consistent with the evidence of the coins. It also tallies, in a simple and satisfactory fashion, with what Justin (XLI, 4) says as to the original leader of the Bactrian revolt having been succeeded by a son of the same name as himself—'*et ipso Diodoto.*' Some value attaches to this confirmation of the main literary source whence our knowledge of the episode is derived, for the truth of the statement has occasionally been doubted, despite its explicit nature and despite the implicit corroboration which, as we shall see presently (p. 440), it receives from Polybius (XI, 34).

Regarding the detailed history of the reigns of the two monarchs the records leave us almost entirely in the dark. The little we do learn is from Justin (*loc. cit.*), and it has reference to the struggles that attended the rise of the Parthian kingdom. The nucleus of what was in the fullness of time to become one of the most formidable powers that Asia has ever seen, was among the districts that had been included in the sixteenth satrapy of Darius, a land of mountain and forest, comparing ill in point of fertility with Bactria. Historians are not agreed as to the race to which its population belonged, although their habits and customs would lead one to suspect a strong infusion of an element closely akin to the wild nomads of the steppes. Nor are the current traditions as to the beginnings of the royal house sufficiently consistent to be worthy of much, if any, credence. According to these the first Arsaces, the founder of the dynasty, is sometimes a Parthian, sometimes a Bactrian, sometimes even a descendant of the Achaemenids. One point in which all accounts agree, is that he made his way to the throne by violence. The name of the Seleucid satrap murdered by him and his brother Tiridates, afterwards Arsaces II, is variously given. Arrian (*F.H.G.* III, 587) calls him Pherecles, and Syncellus (*ibid.*) speaks of him as Agathocles, while Justin—who, by the way, knows nothing of the cooperation of Tiridates—refers to him (XLI, 4) as Andragoras. In favour of Justin may perhaps be cited certain gold and silver coins (Pl. II, 15 and 16)[1], whose style is not unsuited to the middle of the third century B.C., and which bear the legend ΑΝΔΡΑΓΟΡΟΥ. They are very rare, almost all of the known specimens being apparently from the Oxus find (see *supra*, p. 390). Their genuineness has sometimes been questioned, but on grounds

[1] They may, however, have been struck by an earlier Andragoras (c. 331 B.C.); see Rapson, *N.C.*, 1893, p. 204, and Hill, *Atti e Mem. dell' Istit. Ital. di Num.*, III, 2, p. 31.

that seem hardly sufficient; the circumstance that they are struck from dies that have been adjusted with great precision (↑ ↓), a peculiarity that is characteristic of the region and the period to which they are attributed, is a strong incidental argument in favour of their authenticity.

Another point about which there is practical unanimity is that the revolt of Parthia took place almost simultaneously with the revolt of Bactria, although probably a year or two later. The explanation lies on the surface: Antiochus II (261–246) like his two immediate successors, Seleucus II (246–226) and Seleucus III (226–223), was too much preoccupied with wars and rumours of wars in the west to maintain a proper hold over his eastern dominions. Probably, too, there were other causes at work. The spectacle of the greatness of the Maurya empire would not be lost upon a satrap of such force of character as the elder Diodotus. And in his case to the promptings of ambition there may have been added a spur of a different kind. It is not unlikely that Bactria was already beginning to be conscious, on her northern border, of the first onset of the pressure before which she was in the end to succumb; Eastern Asia was just entering upon one of those mysterious convulsions of tribal unrest, which produced the great migrations, and of which the Parthian revolt itself was not impossibly a manifestation. If this were so, Diodotus may well have felt that an independent kingdom, strong in its new-born sense of national unity, was likely to be a more permanent bulwark against barbarian aggression than the loosely attached extremity of an empire whose head was in no position to afford efficient protection to his nominal subjects. Besides the native Irānian basis on which he would have to build, the descendants of Alexander's colonists would provide him with a substantial Hellenic framework ready to hand; and, as a matter of fact, Bactria was, throughout the whole of its brief career, essentially an Hellenic state. In this connexion it is significant to note that, under the earlier Diodotus, Parthia was a potential, if not an actual, enemy. Justin tells us, in the chapter that has been so often quoted, that 'fear of Diodotus' was one of the chief motives that led Arsaces, after his seizure of Hyrcania, to keep a great army on a war-footing. He goes on to say that, when the old satrap died, his son reversed his Parthian policy, and concluded an alliance which set Arsaces free to concentrate his whole forces against Seleucus II, then advancing eastwards on a futile campaign of reconquest. The threat of a renewal of the Macedonian supremacy was enough to bring Greek and

barbarian together. The eastern expedition of Seleucus II was subsequent to the battle of Ancyra, in which he was heavily defeated by the Gauls (240 B.C.). It cannot, therefore, have taken place earlier than 238, and it can hardly be put later than 235. This gives us something approaching a definite date at which Diodotus II was on the throne of Bactria.

Beyond the bare facts already chronicled, we have no information as to the doings either of the son or of the father. It is, indeed, usually stated that the latter assumed the title of 'Soter,' perhaps because of his success in keeping the Turānian hordes at bay. But the only evidence to that effect is a coin purporting to be struck in the name of ΔΙΟΔΟΤΟΥ ΣΩΤΗΡΟΣ (Pl. III, 9); and we shall find presently that this was not minted in the lifetime of himself or his son. It is probable, therefore, that the title was conferred by a later generation. In any case his own dynasty was destined to speedy extinction. We do not know how long Diodotus II reigned. But, as the portraits on his coins are all fairly youthful, it is scarcely possible to allow him more than ten or twelve years after the peace with Parthia. And it is certain from Polybius (XI, 34) that when Antiochus III appeared in the east at the head of an army, about 212 B.C., determined to reassert the Seleucid supremacy over the revolted kingdoms, the Bactrian throne had for some time been occupied by Euthydemus, a Greek from one or other of the cities called Magnesia, who, in reply to the challenge of Antiochus, explained that he did not think it fair that he should be interfered with: 'He was not a rebel. Others, no doubt, had rebelled. He had put the children of the rebels to death, and that was how he happened to be king.' We may draw from this, not only a confirmation of Justin's statement as to Diodotus I having been succeeded by a son, but also the further inference that Diodotus II came to a violent end.

Our authorities give us no hint as to who Euthydemus was, or as to how he reached a position of such influence as to be able to make a successful bid for the crown. The claim of the Lydian city to be the Magnesia of his birth is perhaps slightly stronger than that of the Ionian one; for, when he came to strike money, he chose a remarkable type whose selection can be most simply explained by supposing that it had been familiar to him in his youth, as it would be if he were brought up in the Hermus valley. The first real glimpse we get of him is when he comes into conflict with Antiochus the Great. The Parthian campaign of the latter had been arduous, to judge from the picture which Polybius

(X, 28 ff.) has preserved of some of its incidents. But Arsaces III seems at length to have been driven to yield upon terms, and by the year 208 Antiochus was at liberty to turn his arms against Bactria. To enter it, he had to ford the river Arius (Hari Rūd), the passage of which Euthydemus was prepared to dispute. When the critical moment came, the Bactrians allowed themselves to be outmanœuvred. Antiochus made a night-march with a picked body of cavalry, the majority of whom he succeeded in getting over the stream before the dawn was bright enough for the enemy's vedettes to discover them. The footing thus gained was stubbornly held, in the teeth of a singularly fierce attack. From the narrative of Polybius (X, 49) we learn that Antiochus displayed great personal courage, and that Euthydemus was so perturbed by the lesson his troops had received that he retreated at once to his capital of Zariaspa or Bactra, the modern Balkh. A siege presumably followed, and it is generally taken for granted that this was the famous siege of Bactra, casually mentioned by Polybius in quite another context (XXIX, 6 A). However that may be, the struggle was a prolonged one. By 206 two years had elapsed without either side having gained a decisive advantage. Meanwhile barbarian swarms were hovering ominously along the northern frontier of the kingdom. If the internecine strife continued, they might at any moment descend upon the country and ruthlessly destroy every vestige of Hellenic civilisation.

The reality of this peril was pressed home upon Antiochus by Teleas, a fellow-countryman of Euthydemus, whom the latter had empowered to use his good offices in working for a settlement. Antiochus, upon his part, was only too glad to welcome the prospect of an honourable escape from a situation that threatened to grow more and more embarrassing. Informal negotiations, conducted through Teleas, ultimately resulted in the despatch of Demetrius, the son of Euthydemus, as a fully accredited envoy to the camp of Antiochus. Polybius is still our authority for details. He speaks (XI, 34) in glowing terms of the favourable impression which the handsome youth produced upon the Seleucid king, who offered him one of his own daughters in marriage and indicated his willingness to waive all objection to the use of the royal title by Euthydemus. A written agreement covering the disputed points was drawn up and signed, and a formal alliance concluded. Euthydemus had been the first to move towards peace, and therefore it may be regarded as certain that he too made concessions. Unfortunately we have to guess what they were. Not improbably

they extended to an acknowledgment of the suzerainty of Antiochus, although all we are told is that the expeditionary army, which was now about to direct its march towards India, had its commissariat richly replenished by the Bactrians, receiving at the same time an important reinforcement in the shape of the whole of the war-elephants that had been at the command of Euthydemus.

The second Greek invasion of India amounted to little more than a reconnaissance in force. Açoka, the grandson of Chandragupta, had died about 236 B.C., and after his death the power of the Maurya dynasty speedily declined. When Antiochus crossed the Hindu Kush and marched down the Kābul valley, he found himself in the territory of a prince whom Polybius (XI, 34) calls 'Sophagasēnos, King of the Indians.' Indian history knows no ruler of corresponding name, and it has therefore been conjectured that Sophagasenus was some local rāja who had taken advantage of the decay of the Maurya empire to establish a kingdom of his own in the country west of the Indus[1]. Whoever he was, he plainly realised that he was quite unfit to offer an effective resistance to the seasoned troops of his adversary. At the same time Antiochus was in no mood to emulate the Indian adventure of his invincible forerunner. He had already been three years in the east. The West was calling loudly, and he had enhanced his reputation so substantially by his prowess that he could afford to be satisfied with a bloodless victory. Accordingly he accepted the submission of Sophagasenus who, like Euthydemus, revictualled his army for him and handed over a number of war-elephants. A heavy indemnity was also imposed. This last, however, Antiochus did not wait to receive. He left Androsthenes of Cyzicus behind to take delivery of the promised treasure, and himself hurried back with all speed towards Mesopotamia, choosing the route that ran through Arachosia and Drangiāna (Seistān) to Carmania. Who was the lord of Arachosia when it was traversed by the Seleucid troops, it is impossible to say. It had once been Açoka. Now it may have been Sophagasenus. The numismatic evidence suggests that ere long it was Euthydemus. General Cunningham[2] remarks that the silver of the last-named king 'is very common in Balkh and Bokhara, to the north of the Caucasus, and less common in Kabul, Kandahar and Sistan,' while his bronze coins, 'which are perhaps less numerous than the silver, are found in about equal numbers in Sistan and Kandahar, and throughout the Kabul valley.' Other observers describe his bronze as 'very common in

[1] For Sophagasenus see Chapter XX, p. 512.

[2] *Num. Chron.*, 1869, p. 139.

Sistan and Kandahar.' As bronze was much less likely to travel outside the area of its actual currency than gold or silver, the significance of these facts is unmistakable. Where the number of specimens is so large, the possible effect of confusion with the rare coinage of Euthydemus II may safely be disregarded.

In addition to what the 'find-spots' teach, there is something to be learned from a review of the coins themselves, or at all events of the gold and silver. It has already been indicated that Euthydemus on his accession discarded the characteristic type of Diodotus, and substituted for it one which may have been familiar to him in the city where he was born and bred. Zeus the thunderer was replaced by Heracles seated to left on a rock, leaning with his right hand on his club. The device was apparently borrowed from a set of silver tetradrachms struck at the cities of Cyme, Myrina, and Phocaea, in Western Asia Minor, during the reigns of Antiochus I and II (*J.H.S.*, 1907, pp. 145 ff.). It is universal on the gold and silver of Euthydemus, but two varieties of it are readily distinguishable. On the gold and on much of the silver the rock upon which Heracles sits is bare, while the lower end of his club is supported by a short and somewhat unnatural-looking column of stone (Pl. III, 1). On the remainder of the silver the rock is covered with a lion-skin, and the lower end of the club is apparently resting on the god's thigh (Pl. III, 2). The whole of the coins belonging to the second class bear the monogram Ᵽ, and have their dies adjusted ↑ ↑. The first class, on the other hand, comprises three or four different groups, each having a characteristic letter or monogram other than Ᵽ. The rule here is for the dies to be adjusted ↑ ↓, but there are a considerable number of exceptions (↑ ↑) which may fairly be presumed to be later, seeing that ↑ ↑ is invariable in subsequent reigns. The appearance of these particular monograms is a new phenomenon on the Bactrian coinage. As they usually persist through a long series of years, they cannot be interpreted as magistrates' names. They should rather be regarded as the names of mints, a view which is confirmed by occasional minor variations of type and by certain subtle peculiarities of style, such as the thin 'spread' fabric which is characteristic of many of the Ᵽ coins of the earlier kings.

The mere increase in the number of royal mints may not unreasonably be held to prove that the dominions of Euthydemus were more extensive than those of his predecessor. It would seem that, soon after the Maurya empire began to crumble away, he possessed himself—it may be at the expense of Sophagasenus—of

the Paropanisadae and Arachosia, possibly also—although as to this the coins are less definite—of some of the other districts which Seleucus I had ceded to Chandragupta. His silver tetradrachms are very common, and so too are more or less clumsy barbarous imitations, many of which appear to date from a relatively late period. Without doubt his money must have circulated widely, and must have enjoyed a high reputation for quality. Bactria under his sway clearly reached a pitch of prosperity such as she had never before attained. And his reign must have been a long one. The abundance of his coinage suggests this. The great variety of the portraits proves it. Even after every allowance has been made for the mannerisms of different artists and of different mints, a comparison of the head on Pl. III, 1, with the head on Pl. III, 2, will be felt to be conclusive. The latter, which is an admirably realistic piece of work, is obviously intended to represent a very much older person than the former. It is on the strength of this evidence that the death of Euthydemus is generally supposed to have taken place about 190 B.C.

We have seen that under Euthydemus the frontiers of the Bactrian kingdom were pushed southwards until they included at least the whole of the lower portion of Afghānistān. But this was not the only direction in which expansion had become possible. The Indian expedition of Antiochus the Great, if it had had no other result of importance, had revealed the feebleness of the resistance that a properly equipped army was now likely to encounter in an invasion of the Punjab. We may be sure that, after the Seleucid forces had withdrawn, the eyes of Euthydemus were turned longingly towards the Land of the Five Rivers. He may actually have annexed it. If he did, it was probably only towards the close of his reign, for he would hardly have ventured to put so ambitious a design into execution until he felt secure from interference at the hands of Antiochus III, and that he can scarcely have done before about 197, when the latter became hopelessly involved in the meshes of the anti-Roman policy which was to prove his ruin. In any event the real instrument of conquest was his son and successor, Demetrius, of whose romantic career one would like to believe, with Cunningham, that a far-off echo has survived in Chaucer's picturesque description of 'the grete Emetreus, the king of Inde.' Demetrius had been a youth of perhaps seventeen or eighteen, when he acted as intermediary between his father and Antiochus. He would thus be between thirty and thirty-five when his reign as king began, an age that agrees well with the

most characteristic portrait on his coins (Pl. III, 3). Years before, he had probably been married to a Seleucid princess, in accordance with the promise made during the peace negotiations. If so, nothing whatever is known about her; the view that she was called Laodice is based upon evidence that admits of an altogether different interpretation. It should be noted that in the coin-portrait he is represented as wearing a head-dress made of the skin of an elephant, an animal closely associated in those days with India. It is not impossible, therefore, that some of his Indian laurels may have been won, while he was still merely crown-prince. The reverse type which he chose for his silver might easily be interpreted as pointing in the same direction. Heracles remains the patron-divinity, but he is no longer taking his ease on a rock; he is standing upright, placing a wreath upon his head (Pl. III, 3). The inference here suggested is identical with that drawn from somewhat different premises by Cunningham, who argued that the subjugation of part of India by Demetrius during his father's life-time would account for certain facts regarding the *provenance* of the bronze money of Euthydemus. Single specimens of this are occasionally met with in the Western Punjab, and several were found in the bed of the Indus at Attock in 1840, while raising a sunken boat. It is, however, a serious flaw in Cunningham's reasoning that he did not distinguish between the coins of Euthydemus I and those of the grandson who bore the same name.

In whatever circumstances the Indian campaigns of Demetrius may have been inaugurated, there can be no question as to their brilliant outcome. Unfortunately the true extent of his territorial acquisitions can no longer be exactly determined. Strabo, in the passage (XI, 516) which is our chief authority on the point, is quoting from Apollodorus of Artemita, and the original reference of Apollodorus is merely a casual one. He is drawing attention in passing to the remarkable way in which the kingdom of Bactria expanded beyond its original limits, and he mentions incidentally that the kings chiefly responsible were Demetrius and Menander. The advance towards Chinese Tartary which he records may well have been the work of Demetrius or of his father Euthydemus. But, as Menander left a far deeper mark on the traditions of India than did Demetrius, it would be unreasonable to give the latter credit for subduing the whole of the Indian districts that Apollodorus enumerates. Yet there is nothing to show where the line should be drawn. It is probably safe to say that Demetrius

made himself master of the Indus valley. When we try to take him further, we enter a doubtful region. It is, indeed, sometimes stated that he fixed his capital at Sangala or Sagala, which he called Euthydemia in honour of his father. But, if the statement be probed, its value is considerably diminished. It is not certain, though it may be very likely, that the Σάγγαλα of Arrian (V, 22) is the same as the Σάγαλα ἡ καὶ Εὐθυμέδεια (*al.* Εὐθυμηδία) of Ptolemy (VII, 1, 46). Granted, however, that the two may be identical and may both represent the Pāli Sāgala (Siālkot), it is necessary, in order to establish a connexion with Demetrius, to resort to conjecture and to substitute Εὐθυδημία for the Εὐθυμέδεια of the manuscripts, a proceeding which is plausible enough in itself but nevertheless open to challenge. More satisfactory, if much vaguer, evidence of the firmness of the footing that he gained to the south of the Hindu Kush is furnished by one or two very rare bronze pieces, which have the square shape characteristic of the early native coinage of India. That they were intended for circulation there, is clear from their bearing a bilingual inscription—Greek on the obverse, Kharoshṭhī on the reverse. It is significant that on these the king employs the title of ἀνίκητος or 'the Invincible.' As usual, he is wearing a head-dress made of the skin of an elephant.

The very success of Demetrius appears to have proved his undoing. As a direct consequence of his victories, the centre of gravity of his dominions was shifted beyond the borders of Bactria proper. The home-land, however, was not content to degenerate into a mere dependency. A revolt ended in the establishment of a separate kingdom under Eucratides, a leader of great vigour and ability, about whose rise written history has little or nothing to say. Justin (XLI, 6) tells us that his recognition as king took place almost simultaneously with the accession of Mithradates I to the throne of Parthia. As Mithradates succeeded his brother Phraates I about 171 B.C., we may accept von Gutschmid's date of 175 as approximately correct for Eucratides. The beginning of his reign was stormy. He had to face attacks from several sides, and on at least one occasion he was hard put to it to escape with his life. Demetrius, who was now king of India—that is, of the country of the Indus,—not of Bactria, and who was naturally one of his most determined foes, had reduced him to such straits that he was driven to take refuge in a fort with only 300 followers. Here, if we may believe Justin (*loc. cit.*), he was blockaded by a force of 60,000 men under the personal command of his rival. The odds were tremendous. But his resourcefulness carried him safely

through; for more than four months he harassed the enemy by perpetual sallies, demoralising them so thoroughly in the end that the siege had to be raised. This is the last we hear of Demetrius. It is uncertain whether he died a natural death as king of India, or whether he fell defending his territory against Eucratides, into whose possession a considerable portion of it ultimately passed. The close of his reign is sometimes given as *circa* 160, but the date is a purely arbitrary one. As we shall see presently (*infra*, p. 457), there is good ground for believing that the conquest of the Punjab by Eucratides was earlier than 162.

At this point it becomes necessary to notice a group of four or five kings, whose existence is vouched for solely by the money which they struck, but who must have been to some extent contemporary with the two who have just been discussed. Appreciation of the evidence will be facilitated by a further glance at the silver coinage of Demetrius who, by the way, does not seem to have struck any gold. It will be observed (Pl. III, 3) that he is the first of the Bactrian kings to be represented with his shoulders draped; and from his time onwards that feature is virtually universal. But he is also the last to be shown with one end of the royal diadem flying out behind, and the other hanging straight down his back, a method of arrangement that had persisted steadily in Bactria since the reign of Antiochus I (see Pl. II, 9–14, and Pl. III, 1 and 2). Again, on the great majority of the surviving specimens of his coinage, his bust on the obverse is enclosed within the circle of plain dots which had hitherto been customary. On the other hand, in a few cases, the circle of plain dots is replaced by the so-called bead-and-reel border, which is familiar from its use on the issues of Antiochus the Great and later Seleucid kings, and which is invariably found on the tetradrachms of Eucratides and his son and successor Heliocles (Pl. IV, 4–9). These differences, coupled with other and less obvious *nuances* of style, will supply valuable guidance in determining the period to which one ought to assign the pieces that have now to be described. It has already been mentioned (*supra*, p. 443) that after the reign of Euthydemus, the dies are always adjusted ↑↑.

Of the four or five groups of coins to be discussed, we may take first the tetradrachms and smaller denominations of silver which have on the obverse a youthful bust with draped shoulders, and on the reverse a figure of Heracles standing to front, much as on the coins of Demetrius, except that, besides having one wreath on his head, he holds a second in his extended right hand (Pl. III, 4). The

legend on these pieces is ΒΑΣΙΛΕΩΣ ΕΥΘΥΔΗΜΟΥ, and most of the older numismatists, including Cunningham, were disposed to attribute them, like those with the seated Heracles, to the father of Demetrius. Since von Sallet wrote, however, it has been generally agreed that this view is not tenable. Stylistic considerations compel the acceptance of an alternative theory, first advocated by Burgon, to the effect that they were struck by a second and later prince, in all probability the eldest son of Demetrius, on whom his grandfather's name would in ordinary course be bestowed. Attention may be called more especially to the draped shoulders and to the treatment of the diadem. Nor is it possible to account for the differences on local rather than on chronological grounds, inasmuch as the mint-marks on the two sets of coins are often identical. Confirmation is furnished by a few nickel pieces, likewise reading ΒΑΣΙΛΕΩΣ ΕΥΘΥΔΗΜΟΥ, although showing no portrait. Nickel was not used by Demetrius, and therefore it was presumably not used by his predecessor, Euthydemus I. On the other hand, we shall presently find it employed by two of the remaining kings of the group now under discussion. So peculiar an alloy—it does not appear again in any part of the world until quite recent times—is clearly characteristic of one particular epoch. The case for a second Euthydemus is thus irresistible. And that for a second Demetrius, whom we may suppose to have been a younger brother, is very nearly as strong. The coins of Demetrius II are very rare, but two or three tetradrachms and drachms are known. The obverse displays a youthful bust with draped shoulders and a novel arrangement of diadem ends, while the reverse has a figure of Athena, standing to front with spear and shield (Pl. III, 5). The legend is ΒΑΣΙΛΕΩΣ ΔΗΜΗΤΡΙΟΥ. Here again the appearance of a new type is significant, and the differences in the portrait cannot be set aside as due to local idiosyncracy, for the mint-mark which the coins with Athena bear occurs also on coins having the usual types of Demetrius the elder. Lastly, and this is highly important, of the two tetradrachms in the British Museum here attributed to Demetrius II, one has a bead-and-reel border, and cannot therefore be much, if any, earlier than the beginnings of the coinage of Eucratides, when a youthful portrait of Demetrius I would, of course, be highly inappropriate.

No argument is necessary to prove the existence of the other three kings belonging to the group. Their coins speak for themselves. To judge by the memorials of this kind which he has left, Agathocles must have been the most prominent. On his silver he

appears with drapery round his shoulders and with both ends of his diadem hanging loosely down, the portrait being enclosed by a border of plain dots (Pl. III, 6). Like all the Bactrian kings we have so far met with, he introduced a characteristic type of his own. On the reverse of his tetradrachms is Zeus, standing to front, holding a figure of Hecate on his extended right hand and leaning with his left on a spear. That there must have been a very intimate connexion—chronological, personal, and local—between him and a second king, Pantaleon, will be evident from Pl. III, 7, which shows a tetradrachm struck by the latter. In general style the busts are closely related, while the reverse types are also the same, except that, on the silver of Pantaleon, Zeus is seated on a throne. In the case of the inferior metals the correspondence is even more complete. Nickel coins with Dionysiac types were struck by both, and their bronze pieces, round and square alike, are generally distinguishable only by the difference in the proper name. Lastly, on their square bronze money, intended for circulation in India and therefore bilingual, both use the Brâhmī script for the obverse legend, instead of the otherwise universal Kharoshṭhī. The portrait of the third king, Antimachus (Theos), is one of the most pronouncedly individual in the whole Bactrian series, largely because of the oddly modern-looking *kausia* which he wears (Pl. III, 8). The standing figure on the reverse of his silver coins is Poseidon, wreathed, and carrying in his left hand a palm-branch with a fillet attached, while his very rare bronze pieces have a figure of Victory. The appearance of Poseidon is remarkable and has been interpreted as referring to a successful naval engagement[1]. It is difficult to account for it on any other hypothesis. But it is dangerous to fix on the Indus as the scene of the fighting, and to make this a ground for deductions as to the region in which Antimachus held sway. No square bilingual money with his name has come to light—unless, indeed, the coins usually attributed to Antimachus II are really the Indian coins of Antimachus Theos[2]—although it would be natural to expect an issue of the sort from a king who had ruled in the Indus valley. In this respect he contrasts markedly with Agathocles and Pantaleon, whose specifically Indian coins are very abundant. On the other hand he makes contact, so to say, with Agathocles through the medium of a highly interesting group of silver tetradrachms, which deserve somewhat careful notice.

The proper interpretation of these tetradrachms is due to von

[1] *Num. Chron.*, 1869, p. 39.

[2] For this view see Chapter XXII, p. 547.

Sallet. Since his time the group has received sundry additions, and even yet it may be far from complete. The existence of two parallel series is universally admitted, one struck by Agathocles, the other by Antimachus, and each apparently consisting of a set of pieces reproducing in medallic fashion the issues of the earlier kings of Bactria. The coins were doubtless meant to pass current as money, but it seems certain that they were also designed to serve as political manifestos. The set with the name of Agathocles contains four distinct varieties. The first of these has the types of the familiar silver tetradrachms of Alexander the Great, but the portrait on the obverse is accompanied by the descriptive legend ΑΛΕΞΑΝΔΡΟΥ ΤΟΥ ΦΙΛΙΠΠΟΥ, 'Alexander, Philip's son,' while the inscription on the reverse reads ΒΑΣΙΛΕΥΟΝΤΟΣ ΑΓΑΘΟ-ΚΛΕΟΥΣ ΔΙΚΑΙΟΥ. This latter formula, which can only signify 'struck in the reign of Agathocles the Just,' is used as the reverse inscription of all the remaining varieties, and thus supplies the common element that binds the whole together. The second variety has on the obverse a diademed head with the words ΑΝΤΙΟΧΟΥ ΝΙΚΑΤΟΡΟΣ, 'Antiochus the Conqueror,' and on the reverse Zeus, thundering, with an eagle at his feet (Pl. IV, 1). The third shows the same reverse but has on the obverse, beside the head, ΔΙΟΔΟΤΟΥ ΣΩΤΗΡΟΣ, 'Diodotus the Saviour.' The fourth has on the obverse a head which is described as ΕΥΘΥΔΗ-ΜΟΥ ΘΕΟΥ, 'Euthydemus the Divine,' and on the reverse a figure of Heracles resting on a rock (Pl. IV, 2). It will be observed that the term ΒΑΣΙΛΕΩΣ never occurs, and that, on the other hand, each of the kings has a special title affixed to his name. It will be observed, too, that except in the case of Alexander, where the lion-skin could not be done without, there is no attempt at an exact reproduction of the royal portrait. In particular, though the shoulders are undraped, the diadem has both ends hanging down, after the manner that was customary on the coins of Agathocles himself, instead of having one end flying out behind, as had previously been usual. There has been some discussion as to who is intended by 'Antiochus the Conqueror.' But the consideration on which von Sallet laid stress is surely decisive: in all the other cases the reverse type is characteristic of the individual whose head is represented on the obverse. Analogy thus puts it beyond question that the medals of 'Antiochus the Conqueror' are copies of the tetradrachms of Antiochus II with the thundering Zeus.

Of the set of similar medals associated with the name of Antimachus, only two varieties have as yet come to light. They

relate to Diodotus and to Euthydemus, and bear a strong general resemblance to the corresponding pieces issued by Agathocles. There are, indeed, only two points of difference: the mint-mark is new, and the reverse inscription reads ΒΑΣΙΛΕΥΟΝΤΟΣ ΑΝΤΙΜΑΧΟΥ ΘΕΟΥ, 'struck in the reign of Antimachus Theos.' Except for certain coins of Eucratides, to be discussed presently, these are usually regarded as completing the commemorative group, so far as surviving specimens go. There is, however, one well-known tetradrachm which has hitherto passed as an ordinary coin, but which ought probably to be reckoned as belonging to the same class. The obverse displays a rather conventional head, unaccompanied by any legend, while the reverse has the type of Zeus, thundering, along with the inscription ΔΙΟΔΟΤΟΥ ΣΩΤΗΡΟΣ (Pl. III, 9). This is the only evidence for the general belief that Diodotus received the title of 'Saviour' during his lifetime, and at the first glance it would appear to be sufficient. A closer scrutiny will suggest grave doubts. The coincidence of the reverse inscription with the obverse inscription used on the commemorative tetradrachms of Agathocles and Antimachus is remarkable, the omission of ΒΑΣΙΛΕΩΣ being quite as noteworthy as the addition of ΣΩΤΗΡΟΣ. The style and fabric, too, are out of harmony with those of the regular coinage of Diodotus. In particular, the dies are adjusted ↑↑, instead of ↑↓, as is the invariable custom in Bactria before the reign of Euthydemus I. Lastly, the mint-mark ♁ is not found on the money either of Diodotus or of his immediate successor, whereas it is common on that of all the other kings whom we have had occasion to mention, Demetrius II and Antimachus alone excepted. Taking all these indications together, we can hardly escape the conclusion that the tetradrachm in question does not really belong to Diodotus, but is rather a commemorative piece issued, it may be, by Demetrius I. The mint-mark which it bears makes its earliest appearance on his ordinary coins, while the arrangement of the ends of the diadem is a strong argument against its being later.

If the attribution just suggested be correct, it confirms the view, already highly probable on other grounds, that there was an intimate connexion between Demetrius I, on the one side, and, on the other, Agathocles, Pantaleon, and Antimachus, whom, as we have seen, it is impossible to separate. As Euthydemus II and Demetrius II were almost certainly his sons, it follows that his history must have been closely linked with that of all the five ephemeral kings, of whom no record save their coins remains. His

sons, however, can hardly have been contemporary with the other three, for the mint-marks that appear on the coins of Agathocles are to a large extent identical with those that were employed by Euthydemus II. It is conceivable that, when Demetrius I was pursuing his Indian conquests, he may have left Euthydemus II and Demetrius II to represent him in the western part of his dominions, that they fell in the earlier years of the struggle with Eucratides, and that at some subsequent stage he recognised Agathocles, Pantaleon, and Antimachus as kings, in order to secure their support. Alternatively, the three last-named may have attempted to set themselves up against Eucratides after Demetrius died. But all this is mere guess-work. What is certain is that in none of the three cases can the seat of power have been very far distant from Kābul. Agathocles and Pantaleon certainly, and Antimachus possibly (*v. sup.* p. 449 and note), struck money of a distinctively Indian character; and the Kharoshṭhī legend on certain copper coins of Agathocles has been supposed to give him the title 'Lord of the Indians,' though this interpretation is unfortunately doubtful[1]. Cunningham[2] reports of the money of Agathocles that 'single copper specimens have been found as far to the south as Kandahar and Sistan, while they are common about Kabul and Begram.' Of Pantaleon's coins he states that they 'are found chiefly about Ghazni and Kabul, but a few have been obtained about Peshâwar and in the Western Panjab....Masson procured seven copper specimens at Begram.' As for Antimachus, he says 'the position of Margiana accords best with the actual find-spots of his coins,' and again 'they have been found in about equal numbers in the Kabul valley and to the north of the Caucasus, while two specimens have been obtained in the Panjab.'

Whatever may be the truth as to the territorial limits within which they held sway, the simultaneous appearance of so many 'kings' is a portent whose meaning is not to be mistaken. It is the first clear indication of that tendency towards the creation of petty principalities, which subsequently became so marked a feature of the final phase of Greek rule in India. In the present instance the 'kings' would seem to have been pawns in a game which was really being played by stronger and more powerful personalities. They were obviously intent on upholding the banner of Demetrius and his dynasty, whose claim to the Bactrian crown the commemorative coins represent as derived directly from Alexander the Great, heedless of the violent breaks that had marked the

[1] Bühler, *Vienna Oriental Journal*, 1894, p. 206. [2] *Num. Chron.*, 1869, pp. 38, 40 f.

accession first of Diodotus and then of Euthydemus. Nor is there any doubt as to the rival against whom their manifestos were aimed. It must have been Eucratides. It would be interesting if we could discover the foundation on which the usurper based his claims. Perhaps the quest is not entirely hopeless. Certain of his tetradrachms and drachms are by common consent regarded as commemorative. The obverse—generally, but not accurately, described as the reverse—bears a male and female head, jugate, to the right, the inscription being ΗΛΙΟΚΛΕΟΥΣ ΚΑΙ ΛΑΟΔΙΚΗΣ, while the reverse has one of the ordinary helmeted busts of Eucratides, accompanied by the legend ΒΑΣΙΛΕΥΣ ΜΕΓΑΣ ΕΥΚΡΑΤΙΔΗΣ (Pl. IV, 3). The close analogy between this obverse and the obverses of the commemorative tetradrachms of Agathocles and Antimachus at once suggests that the appeal to the memory of Heliocles and Laodice is the counterpart of that to the memory of 'Alexander, Philip's son,' 'Antiochus the Conqueror,' 'Diodotus the Saviour,' and 'Euthydemus the Divine.' And when the obverse is given its proper position, the parallel is seen to be much closer than has hitherto been supposed. It naturally does not extend to the reverse, for Heliocles and Laodice had struck no money, and had therefore left no characteristic coin-type for their kinsman to copy. In the circumstances he utilised his own portrait. At the same time he was careful to differentiate his commemorative pieces from his other issues by putting his own name in the nominative instead of in the genitive, very much in the spirit in which Agathocles and Antimachus employed ΒΑΣΙΛΕΥΟΝΤΟΣ in place of the normal ΒΑΣΙΛΕΩΣ.

Although there is no difference of opinion as to the commemorative character of these coins, an acute cleavage manifests itself the moment the problem of identification is approached. Perhaps the view most widely held is that Heliocles is the son and successor of Eucratides, and that the coins were struck to commemorate his marriage with Laodice, a daughter of Demetrius by the Seleucid princess to whom he was betrothed in 206 during the negotiations with Antiochus III. This theory—first propounded by von Sallet, although it had previously been hinted at by Droysen—has about it a certain plausibility that has commended it to historians: it would have been a politic step on the part of Eucratides to try and conciliate opposition, after his victory, by arranging a match between his son and a daughter of the fallen house. But, in the light of the considerations urged in the foregoing paragraph, there need be no hesitation in setting it aside as inadmissible. There is

very much more to be said for the alternative suggestion, adv by Cunningham and by Gardner, that Heliocles was the of Eucratides, and that Laodice was his mother. We nee however, follow some of those who have accepted this solutio continue to assume that Laodice was the daughter of Dem an assumption which leads to the impossible conclusion Eucratides was his great rival's grandson. Laodice was, ind common name in the royal house of Syria, but there is no ev to prove that it was the name of the bride of Demetrius, or of her children. The field of conjecture is absolutely open. point should not be overlooked before we enter it. While He is represented with his head bare, Laodice wears a diadem, sh that she was of the lineage of kings, a princess in her own It must, therefore, have been from her, and not from his that any title Eucratides could advance to the Bactrian crow come. It may also be recalled that Antiochus Epiphane now sat upon the throne of Syria (175–164) in succession brother Seleucus IV (187–175), is known to have cherishe dream of re-establishing the Seleucid influence in Central A if to redress in the east the balance that had been lost i west to Rome. Possibly it was in his interest and wi encouragement that Eucratides first raised the standard of That, of course, is pure speculation, just as are all the hypotheses that have so far been put forward. But it explain his appeal to the memory of a Seleucid princess, a as the otherwise puzzling introduction into the Bactrian c of that characteristically Seleucid ornament, the bead-an border.

In speaking of Demetrius, something has already been s the troubles that beset Eucratides during the earlier port his reign. According to Justin (XLI, 6) he had much ado t his own, not merely against Demetrius, but also agains Sogdiani.' The meaning of the latter reference is obscure. P Sogdiāna strove hard to maintain its loyalty to Demetrius than submit to the upstart who had presumed to supplan More probably the northern tribes took advantage of the al of Demetrius in India and wrested from Hellenic rule the of the country to the north of the Oxus. We find them possession of Bactria itself, before many years have elapsed. Parthians, too, were a grievous thorn in the flesh of Eucr They fell upon his flank when his energies were exhausted various other wars in which he had been forced to engage

the result that part of the Bactrian kingdom was permanently absorbed in their empire. We shall have occasion presently to try and measure the extent of this success. Meanwhile it will be convenient to follow Eucratides in his pursuit of Demetrius into India. His victory there was complete in the ancient Indian provinces of the Persian empire. As it is put by Justin (*loc. cit.*), 'he reduced India'—that is to say, the country of the Indus—'to subjection.' Strabo (xv, 686) says he made himself master of 'a thousand cities.' The princes of the house of Euthydemus had now to be content with the eastern districts of the Punjab. But Eucratides did not enjoy his triumph long. While he was on the march homewards towards Bactria, where he had founded a great city to which he gave the name of Eucratidia, he was attacked and murdered by his son, whom he had trusted so implicitly that he had made him a colleague in the kingship. The details added by Justin (*loc. cit.*) as to the callous conduct of the murderer in driving his chariot through his father's blood have a suspicious resemblance to the story Livy (I, 48) tells as to the death of Servius Tullius. It would have been more to the purpose if he had mentioned the parricide's name. The date of the incident is quite uncertain, but it is usually given as c. 155 B.C.

The coinage of Eucratides bears ample witness to the prosperity that attended him during his life. His money is even more abundant than that of Euthydemus. Although examples of his gold are exceedingly uncommon, they include one specimen which weighs as much as 2593·5 grains (168·05 grammes) and was thus worth twenty ordinary staters; no other king or city of ancient times was ever responsible for so ostentatious a display of opulence. His most characteristic types relate to the worship of the Dioscuri. On the reverse of the larger pieces Castor and Pollux appear side by side, usually mounted (Pl. IV, 4–6); the smaller often show the pointed caps of the Brethren, surmounted by stars and flanked by palms. The Greek legend is interesting. At first it is simply ΒΑΣΙΛΕΩΣ ΕΥΚΡΑΤΙΔΟΥ, but presently it becomes ΒΑΣΙΛΕΩΣ ΜΕΓΑΛΟΥ ΕΥΚΡΑΤΙΔΟΥ. As the more pretentious title is invariably used on the gold and also on the bronze specially struck for Indian circulation, it is perhaps permissible to connect its assumption with a successful invasion of the territory of Demetrius. It may be noted that this is the first certain instance of a king describing himself in the Greek legend on his coinage as 'the Great.' On inscriptions the practice was older. In this case, it is possibly a translation of the Indian title 'mahârâja' which is used

by Demetrius in his Kharoshṭhī coin-legends. There are several well-marked varieties of portrait. On the earlier silver, and on one or two bronze pieces, the king is represented bare-headed and with draped shoulders, both ends of his diadem hanging stiffly down behind (Pl. IV, 4). Generally, however, he wears a crested helmet, ornamented with the horn and ear of a bull. On the great majority of examples the helmeted bust is draped and looks towards the right (Pl. IV, 5). But on some very rare tetradrachms the head is turned to the left, the shoulders are bare, and the right hand is uplifted in the act of thrusting with a spear (Pl. IV, 6). The intimacy of his association with India is proved, not only by the large number of square-shaped bilingual coins of bronze that have survived, but also by the fact that, though he adhered as a rule to the Attic standard of weight, he also issued silver of a class expressly designed to suit the convenience of Indian traders. The standard used for the latter is closely allied to the Persic, which had become established in N.W. India as a result of the Persian dominion.

None of the coins of Eucratides bear dates. Notwithstanding this, there are indirect means of utilising them so as to secure a partial confirmation of what Justin says (XLI. 6) as to the usurper's rise to power being more or less contemporaneous with the accession of Mithradates I of Parthia. Mithradates, it will be remembered, succeeded to the crown about 171 B.C., and the emergence of Eucratides has been tentatively assigned to 175. He must certainly have been firmly seated on the throne a very few years later. A unique silver tetradrachm, now in the British Museum, has on the obverse a helmeted bust evidently copied from the best-known coin-portrait of Eucratides, and on the reverse the Sun-god, driving in a four-horse chariot. The legend is ΒΑΣΙΛΕΩΣ ΕΠΙΦΑΝΟΥΣ ΠΛΑΤΩΝΟΣ, while in the exergue are letters which, though not altogether clear, are generally read as ΡΜΙ and interpreted as referring to the year 147 of the Seleucid Era (Pl. IV, 7). If the date has been correctly deciphered—the first of the three numerals is very obscure—the tetradrachms with the helmeted bust of Eucratides must, therefore, have been in circulation for some time previous to 165 B.C., and these were by no means the earliest that he issued. Who Plato was, we have no means of knowing. The one genuine specimen of his money that we possess—modern forgeries are far from uncommon—is said[1] to have been 'originally procured from an itinerant goldsmith of Shâh-ke-Dheri, who had himself procured it somewhere in Central

[1] *Num. Chron.*, 1875, p. 2.

Asia, perhaps in the Hazára country or beyond the Hindu-Kúsh.' Its comparatively debased style betrays affinities with the coins of kings whose domains were purely Indian. But whether Plato was a vassal or a short-lived rival of Eucratides, we cannot say. His title ΕΠΙΦΑΝΟΥΣ, which reads like an offset to ΜΕΓΑΛΟΥ, is borrowed from the coinage of Antiochus IV (175–164); it does not appear in Parthia till nearly half a century later.

Testimony of a similar character comes from farther west. Hardly less rare than the solitary coin of Plato is the silver of Timarchus, satrap of Babylon, who in 162 B.C. declined to acknowledge the authority of Demetrius I of Syria, and issued money of his own in all three metals. Both on obverse and on reverse his tetradrachm is an unblushing imitation of the commonest tetradrachm of Eucratides, down even to the title ΒΑΣΙΛΕΩΣ ΜΕΓΑΛΟΥ. If, as was suggested above, the assumption of the epithet 'Great' is to be associated with the conquest of India, 162 B.C. thus becomes the *terminus ante quem* for that achievement. A less definite but still highly probable reminiscence of the 'Great King' of Bactria has been detected by numismatists on some scarce bronze pieces of the early Parthian series. Unless the Parthians were simply continuing the types of coins which they found current in districts which they had annexed by force[1], it is curious that they should have borrowed anything of the sort from Eucratides. He and they were bitter foes. The account of their antagonism given by Justin (XLI, 6) is borne out by two brief references in Strabo. The first (XI, 515) tells us that, after defeating first Eucratides and then the Scythians, the Parthians incorporated a portion of Bactria in their empire. That perhaps does not carry us very far. But Strabo's second reference (XI, 517) is more explicit, though its value is largely destroyed by what seems to be a deep-seated textual corruption. The purport of it is that the Parthians took away from Eucratides two Bactrian satrapies, called (according to Kramer's reading) τήν τε Ἀσπιώνου καὶ τὴν Τοριούαν. These names convey no meaning to modern readers because neither of them occurs anywhere else. We can only conjecture what districts they are most likely to represent. If we decide for Aria and Arachosia, we cannot be very far wrong; towards the close of the chapter already cited Justin says that Mithradates I

[1] The probability of this being the true explanation is greatly strengthened by the fact that coins of the period of Mithradates I (B.M.Cat. *Parthia*, Pl. III, 7, 10, 12) seem to be imitated from the coins of Demetrius I or Euthydemus II with the standing Heracles (Pl. III, 3, 4).

enlarged the boundaries of the Parthian empire until it stretched 'from the Hindu Kush to the river Euphrates.' Expansion towards Margiāna and Drangiāna would be a natural concomitant.

The portentous growth of this semi-barbarian power could not but have the most serious effect on the development of Hellenic civilisation in Central Asia. Parthia now lay like a great wedge between the Bactrian Greeks and their kinsmen beyond the Euphrates. Intercommunication had become difficult, reunion impossible. More than one of the successors of Antiochus Epiphanes—notably Demetrius II (146–140) and Antiochus VII (138–129)—flung themselves against the rock, only to be broken. And it is not without significance that, if we may trust Josephus (*Ant. Jud.* XIII, 5, 11 [165]), the enterprise of Demetrius was undertaken in response to repeated requests from 'Greeks and Macedonians.' This should, perhaps, be read in the light of the hint given by Justin (XXXVI, 1), when he includes the Bactrians among the allies who lent Demetrius their assistance in his attempt to break down the domination of the Arsacidae. It was all in vain. The Seleucid kings were hopelessly cut off from what had been in early days one of the fairest provinces of their empire. On the other side of the impenetrable barrier, Eucratides and his fellow-countrymen, hemmed in by Mithradates on the west and exposed on the north to ever-increasing pressure from the wandering tribes whom they vaguely designated 'Scythians,' were being steadily driven south-eastwards into the plains of India. Even there, they were not to be safe either from Scythians or from Parthians. That, however, is for a future chapter to show. Meanwhile it remains to summarise the little that is known as to the final relinquishment of Bactria by the Greeks.

Except for the somewhat rhetorical sentence in which Justin (XLI, 6) contrasts the fate of the Bactrians with the phenomenal prosperity of Parthia—'harassed by various wars, they finally lost, not merely their kingdom, but their independence'—western historians have preserved hardly any echo of the events that led up to the catastrophe. Had the vigorous and capable Eucratides lived longer, it might have been postponed. It could hardly have been averted; what we learn from Chinese sources proves that it was inevitable. Justin makes Mithradates the main instrument of the disaster, and no doubt his activity was in some measure responsible. But the real cause was the bursting of the storm-cloud, whose appearance on the northern horizon had been pointed out by the envoy of Euthydemus to Antiochus the Great just two

generations before. Strabo knew the real facts, although he gives us no details, merely saying (xi, 515) that 'the best known of the nomad tribes are those who drove the Greeks out of Bactria,—the Asii, the Pasiani, the Tochari, and the Sacarauli, who came from the country on the other side of the Jaxartes, over against the Sacae and Sogdiani, which country was also in occupation of the Sacae.' The Prologue to the lost History of Pompeius Trogus (xli) is even less illuminating: it contents itself with barely mentioning that the main work had told how 'the Saraucae and Asiani seized Bactria and Sogdiana.' The inconsistencies of nomenclature here might be easily enough reconciled. But, after all, such an adjustment would leave us very much where we were. The Chinese records bring more enlightenment. From them we learn that the Yueh-chi, pushed westwards by the Huns about 165 B.C., displaced the Çakas, who inhabited the country of the Jaxartes to the north-east of Sogdiāna and Bactria, and that they then crossed the Jaxartes and conquered the whole of Sogdiāna, probably driving the Çakas before them into Bactria and fixing their capital a little to the north of the Oxus. This was the beginning of the end. The struggle may have dragged on for twenty or thirty years, but its issue was never doubtful. Bactria had to be abandoned by its Greek rulers to the Çaka hordes. And the turn of the Çakas was to come. The report of Chang-kien, a Chinese envoy who visited the Yueh-chi in 126 B.C., is still extant. These nomads were then settled in Sogdiāna, and the report speaks in somewhat contemptuous terms of their southern neighbours, the Ta-hia, by whom are apparently meant the native population of Bactria: they were a nation of shopkeepers, living in towns each governed by its magistrate, and caring nothing for the delight or the glory of battle. At some date which is doubtful, but which cannot at the latest be more than a year or two subsequent to 126, the Yueh-chi, urged forward by fresh pressure from the East, crossed the barrier of the Oxus, expelled the Çakas, and occupied all the country as far south as the Hindu Kush. From the Ta-hia no serious resistance was to be expected. But, as the retreating Çakas made their way westwards, they probably encountered the fierce opposition of Parthia; just about this time two of the Parthian kings, Phraates II and Artabanus I are said to have fallen in battle with the Scythians.

Obviously the situation which Eucratides would have had to face in Bactria, had he ever returned from his last Indian campaign, would have been peculiarly trying. It is not surprising that his successor should have failed to make headway against the oncoming

tide. The numismatic evidence shows that this successor was Heliocles. In all probability he was also the parricide. Cunningham, it is true, was of a different opinion, holding that the unnatural murder was the work of Apollodotus, another king who has left a considerable number of coins, mostly of a strictly Indian character[1]. But the idea that there was any blood relationship between Apollodotus and Eucratides is purely hypothetical. It is more probable, indeed, that Apollodotus belonged to the rival family of Euthydemus. He may have been contemporary with Eucratides, but there is nothing whatever to suggest a closer connexion[2]. On the other hand, it will be remembered that Justin (XLI, 6) lays the crime to the charge of the heir apparent. And according to Greek custom the eldest son of Eucratides would normally be called Heliocles after his grandfather. If he had any brother, there is a stronger claimant for the honour than Apollodotus. In describing the coinage of Eucratides, no mention was made of a small group of silver pieces, which are usually believed to represent his earliest issue. They are mainly tetradrachms, the drachms being of semi-barbarous execution. The obverse bears a diademed head within a bead-and-reel border; on the reverse is a draped figure of Apollo standing to left, holding an arrow and a bow, the inscription being ΒΑΣΙΛΕΩΣ ΕΥΚΡΑΤΙΔΟΥ (Pl. IV, 9). It may be that the view generally taken of these coins is correct. But there are two serious difficulties in the way of accepting it. In the first place, it would be unusual, if not unprecedented, for a Bactrian king to use more than one distinctive type for his Attic silver, and the characteristic type of Eucratides was, as we know, the group of the Dioscuri. In the second place, the style of the obverse has the closest possible resemblance to that of the obverse of some of the tetradrachms of Heliocles. A comparison of Plate IV, 9, with Plate IV, 8, for instance, reveals a similarity that is almost startling. It forces one to ask whether Heliocles may not have had a younger brother, who had the same name as his father and who was proclaimed king after the latter's murder. When ancient states were on the verge of ruin, kings were apt to multiply. Nor is it a valid objection to urge that no second Eucratides is known to the literary texts. The name of Heliocles himself has been rescued from oblivion by his coins.

[1] The silver coins of the Attic standard were struck in the kingdom of Kāpiça, which formed the connecting link between Bactria and India. See Chapter XXII, p. 555.

[2] *Ibid.*

He is the last king of India whose money is found to the north of the Hindu Kush. Clearly, therefore, it was in his reign that Bactria was abandoned to the Çakas. This was probably not later than 135 B.C. What the condition of the country then became, is wholly doubtful. The language used of the Ta-hia by Chang-kien, the Chinese envoy, is interpreted by some as indicating that they were largely left to themselves by the intruders, and that they did not acknowledge the authority of a central government at all. But here again we are in the realm of conjecture. Our only definite evidence for Heliocles is numismatic, and the inferences of which it admits are scanty. The characteristic type on his Attic silver is Zeus, generally standing to front, grasping a thunderbolt and leaning on a long sceptre, the inscription being ΒΑΣΙΛΕΩΣ ΔΙΚΑΙΟΥ ΗΛΙΟΚΛΕΟΥΣ (Pl. IV, 8). Very rare tetradrachms and drachms combine a helmeted bust on the obverse with a seated figure of the god on the reverse. The standing Zeus reappears on bilingual coins of Indo-Persic weight and of markedly different style. These are sufficiently common to show the diminishing importance of the Bactrian part of Heliocles's kingdom, and the corresponding advance of the purely Indian element. With the exception of Apollodotus and Antialcidas, he is the last of the Graeco-Indian rulers to employ the Attic standard at all. He also re-strikes the coins of Agathocleia reigning conjointly with her son Strato I Soter, an indication no doubt that the internecine struggle between the house of Eucratides and the house of Euthydemus which had begun in Bactria was continued in India. Finally, a faint memory of his name must have lingered on among the barbarian immigrants long after the day when he fled before their approach. Once settled in the midst of a nation of shopkeepers, the nomads speedily learned that a coinage was indispensable. To provide it they had recourse to rude imitations of the money of their Greek predecessors, and their most popular models were the bronze of Heliocles and the silver of Euthydemus. Their currency thus supplies a pathetic epilogue to the story of the rise and fall of the Greek kingdom of Bactria. The annals of Hellas abound in episodes as rich in romance as any tale the Middle Ages ever wove. Nothing they contain is more calculated to appeal to the imagination than the fortunes of these heirs of the great Alexander. That their civilisation was a brilliant one, we may safely conclude from the quality of the art displayed upon their coins. The pity of it is that the store of facts for the reconstruction of their history is so slender. The surmises are

many, and the certainties are few. Excavation may mend matters some day. Until then the utmost limit of possible achievement is to sketch a rough outline that shall not be inconsistent with such scattered fragments of evidence as survive.

KEY TO PLATES I–IV

PLATE I

1. *AV*. **Persia.** *Obv.* The Great King hastening r., wearing *kidaris* and *kandys*, and holding spear and strung bow. *Rev.* Irregular oblong incuse. [B.M.] *Daric.* Fifth or fourth century B.C.

2. *AR*. **Persia.** *Obv.* Similar type; punch-mark. *Rev.* Similar incuse; punch-mark. [B.M.] *Siglos.* Fifth century B.C.

3. *AR*. **Persia.** *Obv.* Similar type; but King holds dagger, instead of spear; two punch-marks. *Rev.* Similar incuse; four punch-marks. [B.M.] *Siglos.* Fourth century B.C.

4. *AR* **India.** *Obv.* Plain; group of punch-marks. *Rev.* Plain; two punch-marks. [B.M.] *Kārshāpaṇa.* c. 300 B.C.

5. *AR*. **India.** *Obv.* Similar. *Rev.* Similar. [B.M.] *Kārshāpaṇa.* c. 300 B.C.

6. *AV*. **Persia.** *Obv.* Similar to no. 1; but behind, ΣTA, with MNA beneath and 𐡀 in front. *Rev.* Wavy bands. [B.M.] *Double Daric.* After c. 331 B.C.

7. *AR*. **Athens** (Asiatic imitation)[1]. *Obv.* Head of Athena r., wearing helmet adorned with olive-leaves. *Rev.* AΘE Owl r.; behind, olive-spray and crescent; in front, Δ. [B.M.] *Attic Tetradrachm.* c. 350–300 B.C.

8. *AR*. **Athens** (Asiatic imitation). *Obv.* Similar type. *Rev.* AIΓ Similar type; same symbols. [B.M.] *Attic Tetradrachm.* c. 350–300 B.C.

9. *AR*. **Athens** (Asiatic imitation). *Obv.* Similar type, of different style; behind, 𐡌. *Rev.* Similar to no. 7, with bunch of grapes behind. [B.M.] *Attic Tetradrachm.* c. 350–300 B.C.

10. *AR*. **Athens** (Asiatic imitation). *Obv.* Similar. *Rev.* Similar. [B.M.] *Attic Tetradrachm.* c. 350–300 B.C.

11. *AR* **Athens** (Asiatic imitation). *Obv.* Similar. *Rev.* Similar, without bunch of grapes. [B.M.] *Attic Didrachm.* c. 350–300 B.C.

12. *AR*. **Athens** (Asiatic imitation). *Obv.* Similar. *Rev.* Similar, with ∝ behind. [B.M.] *Attic Drachm.* c. 350–300 B.C.

13. *AR*. **Asia.** *Obv.* Similar. *Rev.* Eagle standing l., with head reverted. [B.M.] *Attic Drachm.* c. 350–300 B.C.

14. *AR*. **Alexander.** *Obv.* Head of Zeus r., laur.; border of dots. *Rev.* AΛE-ΞANΔPOY Eagle standing r. on thunderbolt, with head reverted; behind, olive-spray with berry; in front, satrapal tiara. [B.M.] *Rhodian* (?) *Tetradrachm.* Probably struck by Seleucus I before c. 306 B.C.

[1] All the Athenian imitations illustrated on Plate I came to London by way of India. The ultimate *provenance* is probably the Middle East.

15. Æ. **Seleucus I.** *Obv.* Similar; behind head, [monogram]. *Rev.* ΒΑΣΙΛΕΩΣ ΣΕΛΕΥΚΟΥ Athena in quadriga of horned elephants r., holding thunderbolt in raised r. and shield on l. arm; in field r., above, anchor. [B.M.] *Attic Tetradrachm.* c. 306–281 B.C.

16. Æ. **Asia.** *Obv.* Horseman, wearing conical helmet and cuirass, overtaking and attacking two warriors retreating on an elephant; border of dots. *Rev.* Male figure, wearing cuirass, cloak, and sword, standing three-quarter face towards l., with thunderbolt in r. and spear in l.; in field l. [monogram]. [B.M.] *Attic Decadrachm.* c. 300 B.C.

17. Æ. **Sophytes.** *Obv.* Head of warrior r., wearing close-fitting helmet, wreathed with olive; border of dots. *Rev.* ΣΩΦΥΤΟΥ Cock r.; behind, caduceus; border of dots. [B.M.] *Attic Drachm.* c. 320 B.C.

PLATE II

1. Æ. **Seleucus I and Antiochus I.** *Obv.* Head of Zeus r., laur.; border of dots. *Rev.* ΒΑΣΙΛΕΩΝ ΣΕΛΕΥΚΟΥ ΚΑΙ ΑΝΤΙΟΧΟΥ Athena in biga of horned elephants r., holding thunderbolt in raised r. and shield on l. arm; in field r., above, [monogram]. [B.M.] *Rhodian* (?) *Drachm.* c. 293–281 B.C.

2. Æ. **Seleucus, son of Antiochus I.** *Obv.* Similar. *Rev.* ΒΑΣΙΛΕΩΣ ΣΕΛΕΥΚΟΥ ΑΝΤΙΟΧΟΥ Athena as above, in quadriga of horned elephants r.; in field r., above, [monogram]. [B.M.] *Rhodian* (?) *Tetradrachm.* c. 275–266 B.C.

3. *AV*. **Seleucus I.** *Obv.* Head of Seleucus I r., diademed and having bull's horn. *Rev.* ΒΑΣΙΛΕΩΣ ΣΕΛΕΥΚΟΥ Head of horned horse r., bridled; in front, [monogram]; beneath, [monogram]. [B.M.] *Attic Stater.* c. 306–281 B.C.

4. Æ. **Antiochus I.** *Obv.* Similar type; elderly head; border of dots. *Rev.* ΒΑΣΙΛΕΩΣ ΑΝΤΙΟΧΟΥ Similar head, without bridle; in front, [monogram] and [monogram]; border of dots. [Hunter] *Attic Tetradrachm.* c. 293–261 B.C.

5. *AV*. **Antiochus I.** *Obv.* Head of Antiochus I r., diademed. *Rev.* ΒΑΣΙΛΕΩΣ ΑΝΤΙΟΧΟΥ Head of horned horse r., bridled; in front, [monogram]. [B.M.] *Attic Stater.* c. 281–261 B.C.

6. *AV*. **Antiochus II.** *Obv.* Head of Antiochus II r., diademed. *Rev.* Similar; but in front, [monogram]. [B.M.] *Attic Stater.* c. 266–246 B.C.

7. Æ. **Antiochus I.** *Obv.* Head of Antiochus I r., diademed; border of dots. *Rev.* Same inscription. Similar type, in front, [monogram]; border of dots. [B.M.] *Attic Tetradrachm.* c. 281–261 B.C.

8. Æ. **Antiochus II.** *Obv.* Head of Antiochus II r., diademed; border of dots. *Rev.* Similar; but in front, [monogram]. [B.M.] *Attic Tetradrachm.* c. 261–246 B.C.

9. *AV*. **Antiochus I.** *Obv.* Head of Antiochus I r., diademed. *Rev.* ΒΑΣΙΛΕΩΣ ΑΝΤΙΟΧΟΥ Apollo seated l. on omphalos, holding arrow and bow; in front, star and [monogram]. [B.M.] *Attic Stater.* c. 281–261 B.C.

10. *AV*. **Antiochus II.** *Obv.* Head of Antiochus II r., diademed. *Rev.* Similar; but in front, Δ without star. [B.M.] *Attic Stater.* c. 261–246 B.C.

11. *AV.* **Antiochus II.** *Obv.* Head of Diodotus II r., diademed; border of dots. *Rev.* ΒΑΣΙΛΕΩΣ ΑΝΤΙΟΧΟΥ Zeus thundering l.; in front, eagle l. and wreath; border of dots. [B.M.] *Attic Stater.* c. 261–250 B.C.

12. *AR.* **Antiochus II.** *Obv.* Similar. *Rev.* Similar; but in place of wreath, [monogram], and between feet of Zeus, [monogram]. [B.M.] *Attic Tetradrachm.* c. 261–250 B.C.

13. *AR.* **Diodotus II.** *Obv.* Similar. *Rev.* Similar to no. 11; but with ΒΑΣΙΛΕΩΣ ΔΙΟΔΟΤΟΥ and, above wreath, ΘΥ. [B.M.] *Attic Tetradrachm.* c. 250 B.C.

14. *AV.* **Diodotus II.** *Obv.* Similar. *Rev.* Similar; but no letters above wreath. [B.M.] *Attic Stater.* c. 250 B.C.

15. *AR.* **Andragoras.** *Obv.* Head of City r., wearing turreted crown; behind, [monogram]; border of dots. *Rev.* ΑΝΔΡΑΓΟΡΟΥ Athena, helmeted, standing l., with spear and shield, holding owl in extended r.; border of dots. [B.M.] *Attic Tetradrachm.* c. 330 or c. 250 B.C.

16. *AV.* **Andragoras.** *Obv.* Bust of Zeus r., draped and wearing taenia; behind, [monogram]. *Rev.* ΑΝΔΡΑΓΟΡΟΥ Warrior in quadriga of horned horses galloping r., with Nike as driver. [B.M.] *Attic Stater.* c. 330 or c. 250 B.C.

PLATE III

1. *AR.* **Euthydemus I.** *Obv.* Head of Euthydemus I r., diademed; border of dots. *Rev.* ΒΑΣΙΛΕΩΣ ΕΥΘΥΔΗΜΟΥ Heracles seated l. on rock, grasping with r. his club, lower end of which rests on a pillar of stones; to r., [monogram]. [B.M.] *Attic Tetradrachm.* c. 220 B.C.

2. *AR.* **Euthydemus I.** *Obv.* Elderly head of Euthydemus I r., diademed; border of dots. *Rev.* Similar; but end of club rests on thigh, and monogram to r. is [monogram]. [B.M.] *Attic Tetradrachm.* c. 200 B.C.

3. *AR.* **Demetrius I.** *Obv.* Bust of Demetrius I, draped r., wearing head-dress made of elephant's skin; border of dots. *Rev.* ΒΑΣΙΛΕΩΣ ΔΗΜΗΤΡΙΟΥ Heracles standing to front, placing wreath upon his head with r., and holding club and lion's skin in l.; to l., [monogram]. [B.M.] *Attic Tetradrachm.* c. 190 B.C.

4. *AR.* **Euthydemus II.** *Obv.* Draped bust of Euthydemus II r., diademed; border of dots. *Rev.* ΒΑΣΙΛΕΩΣ ΕΥΘΥΔΗΜΟΥ Heracles standing as in no. 3, but wreath held in outstretched r., to l., [monogram]. [B.M.] *Attic Tetradrachm.* c. 150 B.C.

5. *AR.* **Demetrius II.** *Obv.* Draped bust of Demetrius II r., diademed; border of dots. *Rev.* ΒΑΣΙΛΕΩΣ ΔΗΜΗΤΡΙΟΥ Athena helmeted, standing to front, holding spear and shield; to l., [monogram], and to r., Δ. [B.M.] *Attic Tetradrachm.* c. 140 B.C.

6. *AR.* **Agathocles.** *Obv.* Draped bust of Agathocles r., diademed; border of dots. *Rev.* ΒΑΣΙΛΕΩΣ ΑΓΑΘΟΚΛΕΟΥΣ Zeus, naked to waist, standing to front, holding figure of Hekate in r. and leaning with l. on sceptre; to l., [monogram]. [B.M.] *Attic Tetradrachm.* c. 150 B.C.

7. Æ. **Pantaleon.** *Obv.* Draped bust of Pantaleon r., diademed; border of dots. *Rev.* ΒΑΣΙΛΕΩΣ ΠΑΝΤΑΛΕΟΝΤΟΣ Similar; but Zeus seated l. [B.M.] *Attic Tetradrachm.* c. 150 B.C.

8. Æ. **Antimachus.** *Obv.* Draped bust of Antimachus r., wearing *kausia*; border of dots. *Rev.* ΒΑΣΙΛΕΩΣ ΑΝΤΙΜΑΧΟΥ Poseidon, naked to waist, standing to front, leaning with r. on trident and holding palm in l.; to r. (N). [B.M.] *Attic Tetradrachm.* c. 150 B.C.

9. Æ. **Diodotus** (struck by Demetrius I ?). *Obv.* Head of Diodotus r., diademed; border of dots. *Rev.* ΔΙΟΔΟΤΟΥ ΣΩΤΗΡΟΣ Zeus thundering l.; in front, eagle l., and wreath. [B.M.] *Attic Tetradrachm.* c. 190 B.C.

PLATE IV

1. Æ. **Antiochus II** (struck by Agathocles). *Obv.* ΑΝΤΙΟΧΟΥ ΝΙΚΑΤΟΡΟΣ Head of Antiochus II r., diademed; border of dots. *Rev.* ΒΑΣΙ-ΛΕΥΟΝΤΟΣ ΑΓΑΘΟΚΛΕΟΥΣ ΔΙΚΑΙΟΥ Zeus thundering l.; in front, eagle l., and wreath; behind, [monogram]. [B.M.] *Attic Tetradrachm.* c. 150 B.C.

2. Æ. **Euthydemus I** (struck by Agathocles). *Obv.* ΕΥΘΥΔΗΜΟΥ ΘΕΟΥ Head of Euthydemus I r., diademed; border of dots. *Rev.* Same inscription. Heracles seated l. on rock, grasping in r. his club, end of which rests on knee; to r., [monogram]. [B.M.] *Attic Tetradrachm.* c. 150 B.C.

3. Æ. **Heliocles and Laodice** (struck by Eucratides). *Obv.* ΗΛΙΟΚΛΕΟΥΣ ΚΑΙ ΛΑΟΔΙΚΗΣ Draped busts jugate r. of Heliocles, with head bare, and Laodice, wearing diadem; behind, [monogram], bead-and-reel border. *Rev.* ΒΑΣΙΛΕΥΣ ΜΕΓΑΣ ΕΥΚΡΑΤΙΔΗΣ Draped bust of Eucratides r., diademed and wearing helmet decorated with horn and ear of bull; bead-and-reel border. [B.M.] *Attic Tetradrachm.* c. 165 B.C.

4. **Eucratides.** *Obv.* Draped bust of Eucratides r., diademed; bead-and-reel border. *Rev.* ΒΑΣΙΛΕΩΣ ΕΥΚΡΑΤΙΔΟΥ The Dioskouroi, wearing pilei and carrying palms, prancing on horseback r., with spears at rest: in front, [monogram]. [B.M.] *Attic Tetradrachm.* c. 165 B.C.

5. **Eucratides.** *Obv.* Draped bust of Eucratides r., diademed, wearing helmet adorned with horn and ear of bull; bead-and-reel border. *Rev.* ΒΑΣΙΛΕΩΣ ΜΕΓΑΛΟΥ ΕΥΚΡΑΤΙΔΟΥ Similar type; behind, [monogram]. [B.M.] *Attic Tetradrachm.* c. 165 B.C.

6. **Eucratides.** *Obv.* Bust of Eucratides l., diademed and helmeted, showing bare back and shoulders; spear in r.; bead-and-reel border. *Rev.* Similar; but no monogram behind, and in front, [monogram]. [B.M.] *Attic Tetradrachm.* c. 165 B.C.

7. **Plato.** *Obv.* Draped bust of Plato r., helmeted; bead-and-reel border. *Rev.* ΒΑΣΙΛΕΩΣ ΕΠΙΦΑΝΟΥΣ ΠΛΑΤΩΝΟΣ Helios, radiate, in quadriga galloping r.; to r., above, [monogram]; in ex., ΜΙ. [B.M.] *Attic Tetradrachm.* c. 165 B.C.

8. **Heliocles.** *Obv.* Draped bust of Heliocles r., diademed; bead-and-reel border. *Rev.* ΒΑΣΙΛΕΩΣ ΗΛΙΟΚΛΕΟΥΣ ΔΙΚΑΙΟΥ Zeus, draped, standing three-quarter face towards l., holding thunderbolt, and leaning on sceptre: to l., [monogram]. [B.M.] *Attic Tetradrachm.* c. 140 B.C.

9. **Eucratides II** (?). *Obv.* Draped bust of Eucratides r., diademed; bead-and-reel border. *Rev.* ΒΑΣΙΛΕΩΣ ΕΥΚΡΑΤΙΔΟΥ Apollo standing l., looking along arrow and leaning on strung bow; to l., [monogram]. [B.M.] *Attic Tetradrachm.* c. 140 B.C.

CHAPTER XVIII

CHANDRAGUPTA, THE FOUNDER OF THE MAURYA EMPIRE

WITH the Maurya dynasty begins the period of continuous story in India, a transition due to a concurrence of causes. In e first place, the invasion of Alexander and some other occasions contact with the West furnish chronological limits of relative ·finiteness, to which certain archaeological and literary circum- ances readily conform. Secondly, the establishment of a single .ramount power in Hindustān, embracing a part even of the untry south of the Vindhya mountains and standing in relation the still independent areas, supplies a unity which previously is lacking and which, in fact, was rarely realised in later ages. ie personalities also of two of the members of the dynasty stand it more clearly than is usual in India, in the case of one, indeed, th a vividness which would be remarkable even in the West. ie literary material gain is of exceptional variety and authenticity. ot to mention the information afforded by the histories of lexander's Indian campaign and the accounts of the Seleucid ipire, we have in the memoirs of Megasthenes, a Seleucid envoy the court of the first Maurya, a picture, unfortunately frag- entary, of the country, its administrative and social features, iich research continues to verify in all its main details. Açoka's n rescripts, graven upon rocks and pillars, are documents of iassailable fidelity. The recently recovered Arthaçāstra ascribed Kauṭilya, otherwise named Chāṇakya and Vishṇugupta, though principle it conveys no new conception of an Indian polity, is in rtue of its date, which clearly falls within or near the Maurya riod, and of the abundant light which in detail it sheds upon e life of the people, especially upon the arts of peace and war, rhaps the most precious work in the whole of Sanskrit litera- re. Finally, a most skilfully constructed political drama, the *udrārākshasa* of Viçākhadatta, preserves, in spite of a rela- vely recent date, some outlines of the events which attended the undation of the dynasty.

The invasion of Alexander found the Punjab, as we have seen[1], divided among a number of relatively inconsiderable tribes, a state of things which had probably always subsisted. He left it substantially unchanged, except that he recognised two of the larger states, that of Takshaçilā (Taxila), which had facilitated his entrance into India, and the rival kingdom of Porus (Paurava or the king of the Pūrus), whom he had conquered. The former was maintained in the region between the Indus and the Hydaspes (Jhelum), while the latter was made to embrace all the more easterly territory as far as the Hyphasis (Beās). The two kings were reconciled and united by a matrimonial alliance. Alexander further confirmed, under the title of Satrap, Abhisares, ruler of the Himālayan districts of the Punjab[2]. The nations occupying the large extent of country about the confluences of the five rivers were placed under Philippus as satrap, and Sind under Pithon.

The limit of Alexander's easterly advance was the Beās. The last kingdom with which he came in contact was that of Phegelas[3], adjoining the river, whether on the right or left bank does not appear,—possibly it was the country between that river and the Sutlej. The mutiny which arrested the victorious progress occurred in a region which—broadly defined—has in all periods of Indian history been pivotal[4]. The desert of Rājputāna, running up towards the mountains, leaves only a narrow neck joining the Punjab to the rest of Hindustān. Here to the east was the country of the Kurus and Pañchālas, the scene of the legendary wars of the Mahābhārata ; here was Thānesar, where arose in the sixth century A.D. the dynasty of Harsha ; and here are Pānīpat and Delhi. Alexander would have had, so he was told, to cross a desert of eleven days march, in order to reach the Ganges, beyond which lay two great peoples, the Prasii and Gangaridae[5], whose king Agrammes, or Xandrames, kept in the field an army of 20,000 cavalry, 200,000 infantry, 2000 chariots, and 3000 (or 4000)

[1] Chapter XV, p. 345.

[2] The mountains of the Abisares, from which flows the river Soanus (Megasthenes XX) = the Sohan, corresponds to the Abhisāra region, defined by Stein (*Rājataraṅgiṇī* trans. I, 180 n.) as denoting the hills lying between the Jhelum and the Chenāb. But it may at this time have included more, extending to the Indus, as suggested by the king's relations with the Assakēnoi (*supra*, p. 353).

[3] = Bhagala (?) ; see Chapter XV, p. 372.

[4] Chapter I, p. 23.

[5] On the various forms of the name Prasii in Greek and Latin writers,—*Πράσιοι*, *Πραίσοι*, *Πραΰσιοι*, Πράξιοι, *Πραξιακοί*, *Βρήσιοι*, Pharrasii,—see Schwanbeck's *Megasthenis Indica*, p. 12, n. 6, and Lassen, *Ind. Alt.* II, pp. 210–1, n. 1. The Sanskrit is *Prāchya*. As regards the Gangaridae (or Gaggaridae) the view that the name was invented by the Greeks (Lassen, *loc. cit.*) seems improbable.

elephants. Upon inquiry, Alexander was informed by Phegelas and Porus[1] that the king was a man of worthless character, the son of a barber, and that he had obtained the throne by the murder of his predecessor, whose chief queen he had corrupted.

We learn from Megasthenes (I, 16) and Ptolemy (VII, 1, 82; 2, 14) that the Gangaridae occupied the delta of the Ganges. The name Prasii, or *Prāchyas*, 'Easterns,' would properly denote the peoples east of the Middle Country or Central Hindustān, which extends as far as the confluence of the Ganges and Jumna at Allahābād. Either, therefore, the name 'Easterns' was used by Alexander's informants in a more general sense, as the correlative of 'Westerns,' or it reflects what in any case is the fact, that the Pañchālas, Çūrasenas, Kosalas and other peoples of the Middle Country had fallen under the domination of the power of Magadha (S. Bihār), with its capital Pāṭaliputra, at the junction of the Ganges and the Son. The beginnings of this suzerainty appear already in the early Buddhist books[2]; and the dynasty ruling in Pāṭaliputra, which city was founded by Udāyin, grandson of Buddha's contemporary Ajātaçatru, is recognised in the Brāhman literature as representative of Indian sovereignty. Whether it held also the countries stretching westward to the south of the great desert, and in particular the famous realm of Mālwā, with its capital Avanti, or Ujjain, we have no means of knowing: but a negative answer is probable. This region, as also the continuation to the western coast of Kāthiāwār and Gujarāt, escaped the purview of Alexander and his historians. Both were well within the horizon of his Indian informants, since the trade connexion between Bengal and the coast regions of Çūrpāraka and Surāshṭra had been from of old no less familiar than was the northern route of scholars[3] and traders journeying to Takshaçilā and Kābul.

In the Agrammes, or Xandrames[4], of the Greek writers there has been no difficulty in recognising the Dhana-Nanda of the Sanskrit books; and the very name, in the form Nandrus, has been conjecturally restored to the text of Justin[5]. It is the name of his dynasty, which according to the Purāṇas ruled during exactly a century; Chandramās would be the equivalent of his

[1] See Q. Curtius, IX, 2 and Diodorus, XCIII; also by Candragupta acc. to Plutarch, *Alexander*, LXII.

[2] Rhys Davids, *Buddhist India* (London, 1903), pp. 12 sqq.; see Chapter VII, pp. 182 sqq.

[3] Fick, *Die Sociale Gliederung*, esp. p. 130; Rhys Davids, *Buddhist India*, pp. 8, 28, 203.

[4] Agrammes in Q. Curtius, Xandrames in Diodorus.

[5] XV, 4: quippe sua procacitate Alexandrum (*read* Nandrum) regem offendisset.

Greek appellative. His overthrow, which Alexander was prevented from attempting, resulted from the conditions which the invasion left behind. It established the supremacy of the Mauryas under Chandragupta.

The details of this peripetia are matter for inference; but the antecedents of the two chief actors in the drama are sufficiently certain. Chandragupta[1] is represented as a low-born connexion of the family of Nanda. His surname Maurya is explained by the Indian authorities as meaning 'son of Murā,' who is described as a concubine of the king. A more flattering account[2] makes the Mauryas an Himālayan offshoot of the noble sept of the Çākyas, the race of Buddha; and, apart from this connexion, the supposition of a tribal name seems probable, since a tribe of Morieis is mentioned by the Greeks[3] and will perhaps be identical with the Moriyas of the Pāli books[4]. However that may be, Chandragupta had incurred the displeasure of Nanda, whom he had served in the office of *senāpati*, or Commander-in-Chief. He is said to have made an attempt against his master, instigated by the Brāhman Vishṇugupta, Chāṇakya, or Kauṭilya, who in his person, and perhaps also as representing a disloyal priestly movement, had been disrespectfully treated by the king. The case of Jehu offers a familiar parallel; but the outcome was otherwise. Chandragupta fled with his fellow conspirator[5], who figures in literature as the Machiavelli of India. In the movement which subsequently led to the overthrow of Nanda Chāṇakya is represented as the directing mind.

The abortive attempt must have preceded the invasion of Alexander, whom Chandragupta is said to have met in the Punjab[6]. At that time Nanda still reigned. The dating of the subsequent events depends upon the correctness of the account of them contained in the *Mudrārākshasa*. According to this authority it was as head of a confederacy, in which the chief ally

[1] The Indian, and also the Greek, accounts of Chandragupta are quoted and discussed by Lassen, *op. cit.* II, pp. 205 sqq. The Greek forms of the name, some of them pointing to a Prākrit original, are Σανδρόκοττοι, Σανδράκοττοι, Σανδρακόττας, Ἀνδρόκοττος, Σανδρόκυπτος. The identification with Chandragupta is due to Sir William Jones (*Asiatic Researches*, IV, p. 11).

[2] From the commentary to the Pāli *Mahāwanso* (ed. Turnour, Introduction, pp. xxxviii–xlii).

[3] From Euphorion: see Lassen, *op. cit.* II, p. 205, n. 4.

[4] Moriyas of Pipphalivana (*Digha Nikāya*, II, p. 167).

[5] In the Pāli account mentioned above Chandragupta meets Chāṇakya, who is represented as a native of Takshaçilā, already in company with a Parvata. For the Jain version, see Prof. Jacobi's edition of Hemachandra's *Sthavirāvalicharita*, pp. 55 sqq.

[6] Plutarch, *Alexander*, LXII.

was the king of the Himālayan districts in the Punjab, that Chandragupta invaded the Magadhan empire. The play dates from perhaps the seventh century A.D.; but we need not question its evidence, which we are justified by some analogies[1] in regarding as a genuine theatrical tradition: moreover there exists a Buddhist and Jain story which makes Chandragupta's second attempt begin with the frontiers. Further, a conquest of the Punjab by Chandragupta with forces from Eastern Hindustān has little inherent plausibility: before the British power the movement had been consistently in the opposite direction.

A precise date for the overthrow of Nanda seems with our present evidence impossible. It can hardly have been effected without the co-operation of the kingdom of Porus. We have then two alternatives. Either Porus participated in the invasion and is the Parvataka, the ally of Chandragupta, in the drama[2], in which case the year 321 B.C. would be not unlikely, as the death of Porus seems to have followed that of Alexander by no long interval. Or his successor, whether a member of his family or Chandragupta himself, was a participator: and then we have no means of dating, unless we allow the indications of the drama to persuade us that Eudamus, the assassinator of Porus, who in 323 succeeded Philippus as Alexander's representative and who retired from India in about 317, was also a partner in the exploit[3]. As regards the incidents of the campaign, we have no trustworthy information. Nanda was defeated and killed, and his capital occupied.

Here begins the action of the drama. According to this authority, Chāṇakya, the instigator of Chandragupta, contrives the death of Parvataka, the chief ally, and then of his brother Vairodhaka, which causes the son of the former, Malayaketu, along with the remaining allies to withdraw their troops to a distance. They are joined by Rākshasa, the faithful minister of the Nandas and by others from the capital, in some cases with the connivance of Chāṇakya. What follows is a complicated intrigue. In the end Malayaketu becomes suspicious of his allies, whom he puts to

[1] The plots of some of the recently discovered plays of Bhāsa seem to have been appropriated almost entire by the later dramatists, e.g. by the author of the *Mṛicchakaṭikā*.

[2] In that case the death of Porus must have been due to Chandragupta, and not to Eudamus. An identification of Parvata with a king of Nepāl is indicated by Jacobi, *op. cit.* p. 58, n. 1.

[3] On this question see the acute observations of Lassen, *op. cit.* II, pp. 213-17. The *names* of the allied kings in the drama need not be seriously considered, since Sanskrit literature is rich in varieties of nomenclature, which hardly ever fail, even in closely related versions of a single story.

death, and also of Rākshasa. The latter has no longer any option but to accept the offers of Chandragupta, who allows Malayaketu to retire in peace to his own dominions.

At this point the Indian tradition takes leave of Chandragupta and his mentor. The latter, his vow of vengeance accomplished, returns to his Brāhman hermitage. For Chandragupta the ensuing years must have been strenuous. The great military progress of Seleucus, whereby he sought to consolidate the eastern part of his dominions, brought him to the Indus about the year 305. He found Chandragupta, now master of all Hindustān, awaiting him with an immense army. For Seleucus the task proved too great: he crossed the Indus, but either no battle ensued, or an indecisive one. Seleucus was content to secure a safe retirement and a gift of 500 elephants by the surrender of all the Greek dominions as far as the Kābul valley. Upon these terms a matrimonial alliance was arranged[1].

Thus the year 305 saw the empire of the successful adventurer of Pāṭaliputra safely established behind the Hindu Kush on the north and the Afghān highlands rising above Herāt on the west. At what period it came to include also the western provinces of Sind, Kāthiāwār, and Gujarāt, which, as well as Mālwā, we find in the possession of his grandson, we are not informed. But probably these also were acquired by the founder of the dynasty.

Chandragupta maintained his friendly relations with the Greeks. Seleucus received gifts from him; and his envoy Megasthenes resided for some considerable time, and perhaps on more than one occasion, at the court of Pāṭaliputra[2]. He was a friend of Sibyrtius, who in 324 was appointed by Alexander to the Satrapy of Gedrosia and Arachosia, and in 316 was again appointed by Antigonus. The date, or dates, of his mission must naturally be later than the campaign of Seleucus (c. 305) and earlier than the death of Chandragupta (c. 297); but the time is otherwise undetermined. It is to Megasthenes that the classical peoples were

[1] See Chapter xvii, p 481. That Seleucus made no great headway against Chandragupta is proved at length by Schwanbeck, *op. cit.* pp. 11–19, where the authorities are discussed. The surrender of the Kābul valley is also indicated by Strabo, xv, 1, 10 and 2, 9: see also Lassen, *De Pentapotamia Indica* (Bonn, 1827), p. 42.

[2] Arrian, v, 6, 1: *Μεγασθένης, ὃς ξυνῆν μὲν Σιβυρτίῳ τῷ Σατράπῃ τῆς Ἀραχωσίας, πολλάκις δὲ λέγει ἀφικέσθαι παρὰ Σανδράκοττον τὸν Ἰνδῶν βασιλέα*, ‘Megasthenes, who lived indeed with Sibyrtius, the Satrap of Arachosia, but several times, as he states, arrived at the presence of Sandracottus, the king of the Indians.’ The view of Schwanbeck (p. 33) and Lassen (ed. 1, p. 209, n. 3; but rejected in ed. 2, p. 219, n. 1), who think this statement consistent with several interviews in the course of a single mission, seems untenable: *ἀφικέσθαι* could hardly bear that sense.

indebted for nearly all the precise information which they have transmitted concerning the Indian peoples.

According to Justin (xv, 4) the rule of Chandragupta was oppressive; but the judgment is not supported by details or by Indian evidence. The consensus of Sanskrit writings on policy discountenances excessive leniency, and insists upon the retributory function of the ruler, who in maintaining order and protecting weakness should not shrink from severity; while in time of need he is entitled to call upon his people to bear 'like strong bulls' a considerable burden of taxation[1]. The duration of the reign is stated by the Purāṇas, in agreement with the Buddhist books, at twenty-four years. It would be uncritical, however, to regard these testimonies as from the beginning independent, or to attach any special credence to the exact figure. Moreover, the initial date is uncertain, the Jains presenting a date equivalent to 313 (312) B.C., while the Buddhists of Ceylon give 321, and the Brāhman writings withhold any reference to a fixed era. It would be idle to dwell further upon a matter of so much uncertainty. Our defective knowledge of the chronology is in striking contrast to the trustworthy information which we possess concerning the country and its administration.

The extent of the dominions of Chandragupta has already been stated. But his authority cannot have been everywhere exercised in the same manner or the same measure. Indian conquerors do not for the most part displace the rulers whom they subdue, nor was the example of Alexander in India to the contrary. Accordingly we may assume that the empire of Chandragupta included feudatory kingdoms; and even the presence of his viceroys would not necessarily imply, for example in Taxila or Ujjain, the extinction of the local dynasty. It has been acutely remarked by Lassen[2] that in a number of cases Megasthenes states the military power of particular provinces; and he infers that these are instances of independent rule. The inference may have been carried too far; but it has an undeniable validity as regards the kingdoms south of the Vindhya mentioned by Megasthenes, namely the Andhras and Kaliṅgas, as well as their western neighbours the Bhojas, Peṭenikas, and Ṛishṭikas, who all down to the time of Chandragupta's grandson Açoka remained outside the regular administration. The districts beyond the Indus, Gandhāra, Arachosia, and Kābul were similarly frontier states.

[1] *Mbh.* XII, 87, 88, and ch. 121; cf. 130, 36; Hopkins, *J.A.O.S.*, XIII, pp. 116, 135–6.

[2] *Op. cit.* II, pp. 219–20.

CHAPTER XIX

POLITICAL AND SOCIAL ORGANISATION OF THE MAURYA EMPIRE

CONCERNING the condition and organisation of the vast Maurya empire the Greeks have provided us with a considerable body of valuable information: and, as the Arthaçāstra furnishes the means of describing the complete polity existing at the time, its land system, its fiscal system, its administrative system, its law, its social system, with some view of literature and religion, we shall not forgo the opportunity, so rare in Indian history—we must wait for the time of Akbar and the *Ā'īn-i-Akbarī*—of dwelling a little on the picture.

As regards the land itself, we may distinguish the forest, the pasture or grazing-ground, and the cultivated area[1]. The forests must have been much more extensive than at present, and they clearly comprised both relatively inaccessible tracts inhabited by wild unsubdued tribes and others which were within the reach of the administration, visited by trappers and hunters, utilised for raw material, reserved for elephant-grounds, state hunting-grounds, parks, and Brāhman settlements. The pasture must have included both large spaces (*vivīta*) occupied by the nomad, tent-dwelling[2] ranchers, who were the direct descendants of the old Vedic tribes[3], and also more restricted areas in the neighbourhood of the villages. The latter, which then as now were the main feature of the country, had their definite boundaries, their village halls,—no doubt representing the forts of ancient times,—and their independent internal economy. Less, if at all, organised were the stations (*ghosha*)[4], or hamlets which formed the headquarters of the ranching class.

[1] For references to the chapters or pages of the *Arthaçāstra* which deal with the main topics discussed in this chapter, see the Sanskrit text.

[2] Megasthenes, I, 47: πόλιν μὲν ἢ κώμην οὐκ οἰκοῦσι, σκηνίτῃ δὲ βίῳ χρῶνται.

[3] Hopkins, *J.A.O.S.*, XIII, pp. 79–80, 82–3; *The Four Castes*, p. 15. In the *Arthaçāstra* (p. 7) also the Vaiçya seems to be connected with cattle. So in Manu (e.g. VIII, 98 and 410) and *Mbh.* (XII, 60, 25).

[4] Hopkins, *op. cit.* p. 77.

Apart from the royal domains, which must have been considerable, the ultimate property in the land appertained, in the sense which has since prevailed, to the king[1]: that is to say, the king was entitled to his revenues therefrom, and in default could replace the cultivator in his holding[2]. This does not preclude alienation or subdivision by the occupier, the royal title persisting through each change. It was the king's business to organise the agricultural productivity by encouraging the surplus population to settle new or abandoned tracts[3]. Irrigation was an object of great solicitude and naturally under the charge of the state, which regulated the supply of water and derived revenue therefrom[4].

The bulk of the population consisted of actual cultivators, and Megasthenes remarks that their avocation was to such a degree defined (by the rule of caste) that they might be seen peacefully pursuing it in the sight of contending armies[5]. The higher classes in the country had not a landowning, but an official, qualification, being entitled for their maintenance to a defined portion of the revenue. This corresponds to the jāgīr system of Musalmān times. The assignment might be the revenue of an estate, a village, a town, or according to circumstances[6]. On a minor scale the same principle was applied to the ranching class, which received for maintenance a proportion of the stock[7].

Roads were constructed by the royal officers, and at intervals of 'ten stades' were sign-boards noting turnings and distances[8]. The Greeks make special mention of the 'royal route' from the N.W. frontier to Pāṭaliputra[9]. Communications were maintained by couriers, while in the woods roamed trappers and forest-rangers[10].

Towns were numerous, in so much that the Greeks report as many as two thousand placed under the rule of Porus, and Megasthenes ascribes some thirty to the Andhra country alone[11]. They ranged from the market town (*saṃgrahaṇa*), serving the

[1] Megasthenes, I, 46: *τῆς δὲ χώρας μισθοὺς τελοῦσι τῷ βασιλεῖ διὰ τὸ πᾶσαν τὴν Ἰνδικὴν βασιλικὴν εἶναι, ἰδιώτῃ δὲ μηδενὶ γῆν ἐξεῖναι κεκτῆσθαι· χωρὶς δὲ τῆς μισθώσεως τετάρτην εἰς τὸ βασιλικὸν τελοῦσι*; cf. Hopkins, *J.A.O.S.*, XIII, pp. 87–8.

[2] *Arth.* 19 (p. 47); cf. W. Foy, *Die königliche Gewalt*, pp. 58–9; Jolly, *Recht und Sitte*, p. 93.

[3] *Çūnyaniveçana* (Hopkins, *op. cit.* p. 127 n. and *Arth.* 19 *ad init.*).

[4] Megasth. XXXIV, 1; see Chapter XVI, p. 417, and *infra*, p. 487.

[5] Megasth. I, 14: *παρὰ δὲ τούτοις τῶν γεωργῶν ἱερῶν καὶ ἀσύλων ἐωμένων οἱ πλησίον τῶν τάξεων γεωργοῦντες ἀνεπαίσθητοι τῶν κινδύνων εἰσίν*; cf. I, 44. The Mahābhārata (e.g. XII, 69, 38 sqq.) qualifies this picture in practice; see Hopkins, *op. cit.* p. 185.

[6] For details see Manu, VII, 118–9; Hopkins, *op. cit.* p. 84.

[7] *Arth.* 46; *Mbh.* XII, 60, 24; Hopkins, *op. cit.* p. 86.

[8] Megasth. XXXIV, 3.

[9] *Ibid.* IV, 3.

[10] *Arth.* 52–3.

[11] LVI, 10. In XXVI the towns are too numerous for counting.

uses of ten villages, through the county towns (*khārvaṭaka* and *droṇamukha* at a river's mouth) for 200 or 400 villages, the provincial capital (*sthānīya*, or Thānā), the great city (*nagara*, *pura*) or port (*paṭṭana*) to the royal capital (*rājadhānī*), all provided with defences of varying solidity[1]. There were also forts on the frontiers or in special situations, such as in the middle of lakes or swamps, hidden in forests, or perched on heights[2].

The art of fortification was well understood. As we can learn from the Greek and native descriptions, and as we can see depicted on the monuments of Sānchī and Bhārhut, the great cities were provided with ditches, ramparts, and walls of earth, wood or brick[3], having battlements, towers, covered ways, salient angles, water-gates, and portcullises, with a wide street running round the interior face. There were guard-houses for troops (*gulma*) in the different quarters. In principle the towns were of rectangular shape and divided into four regions, each under a special official and composed of wards. The houses were generally of wood, and of two or three storeys[4], the more splendid ones including several courts, one behind the other. There were royal palaces, workshops, storehouses, arsenals, and prisons[5]. The streets were provided with watercourses draining the houses and issuing into the moat: against misuse of them, or of the cemeteries outside, by deposit of rubbish or dead bodies, by loosing animals, by conveyances not under proper charge, by funerals conducted through irregular ways or at unlawful hours, penalties are laid down. The houses were forbidden to have windows overlooking each other, except across the street. The precautions against fire included the provision of vessels of water 'in thousands' in the streets: every householder must sleep in the forepart of his dwelling, and he is under the obligation of rendering assistance in case of fire, while arson is punished by burning alive. The trumpet sounds the beginning and end of the nocturnal interval, during which, except on special occasions[6], none must stir abroad. Approach to the guard-houses and palaces is prohibited, as also is music at unseasonable times. The city chief reports all incidents, and takes charge of lost and ownerless property.

[1] On these distinctions see *Arth.* p. 46; Manu, VII, 70–5; *Mbh.* XII, 86, 5; and Hopkins, *op. cit.* pp. 76–7.

[2] Hopkins, *op. cit.* pp. 177–8 n.

[3] Megasth. XXVI; Hopkins, *op. cit.* pp. 174 sqq.

[4] See the plates in Maisey's *Sanchi* and Cunningham's *Stupa of Barhut*.

[5] The Sanskrit terms are *antaḥpura* (or *niçānta*), *karmānta*(*-āgāra*), *koshṭhāgāra*, *āyudhāgāra*, *bandhanāgāra*.

[6] *Chārarātri*, 'nights of free movement' (*Arth.* 56, p. 146).

The imperial capital Pāṭaliputra or Kusumapura, the Palibothra of the Greeks, which was situated on the south side of the Ganges, to the east of its confluence with the Son, is described by Megasthenes (*v. sup.* Chapter XVI, p. 411). Its ruins lie for the most part under the modern city of Patna-Bankipore; and part of its ancient rampart has been found *in situ*[1].

The population, as we learn from Megasthenes[2] in agreement with the indications of the Arthaçāstra, consisted of seven classes, which have been already particularised[3]: there was no transference from one class to another (except that the philosophers, i.e. the Brāhmans, might in case of adversity adopt any profession), nor was marriage between them allowed[4]. These distinctions of function correspond only partially to those of caste, which in fact must have been already much more complicated: and they take no note of special cases, such as riverine and maritime populations.

In the country, except where undertakings such as mines and other works created exceptional conditions, the second and third classes, the husbandmen and the neatherds and shepherds, must have predominated: the village servants[5], such as the potter, the blacksmith, the carpenter, the barber, would belong to the third. In the towns we hear of labourers, craftsmen, traders, inspectors, and officials[6]. The crafts are numerous[7], especially those dealing with the precious metals and with textiles. The professions include the doctor, the actor, singer and rhapsodist, the dancer, and the soothsayer[8]. The traders are partly state officials in charge of royal merchandise, or in superintendence of matters connected with prices and sales, partly actual shopkeepers or travelling merchants; and not rare among both classes was the rich *çreshṭhin*, or seth, who was an important social factor, and, if a leader in his

[1] Waddell, *Report on the Excavations at Pāṭaliputra* (Calcutta, 1903); Spooner, *Ann. Rep. of the Arch. Sur. of India*, 1912–3, pp. 55–61.

[2] I, 40–53; cf. Arrian, *Indica*, XI–XII.

[3] See Chapter XVI, pp. 409–11. The equivalent terms in Greek and Sanskrit are: (1) φιλόσοφοι, σοφισταί = *Brāhmaṇa*, *çramaṇa*, (2) γεωργοί = *karshaka*, (3) βουκόλοι, ποιμένες, νομέες, θηρευταί = *gopāla*, *çvagaṇin*, *vāgurika*, *mārgāyuka*, (4) στρατιῶται, πολεμισταί = *bhaṭa*, (5) σύμβουλοι, σύνεδροι = *mantrin*, *amātya*, *mahāmātra*, (6) ἔφοροι, ἐπίσκοποι = *prativedaka*, *adhyaksha*, *sattrin*, (7) τεχνῖται, δημιουργοί, κάπηλοι = *kāru*, *çilpin*, *vaidehaka*.

[4] Megasth. I, 58: οὐκ ἔξεστι δὲ γαμεῖν ἐξ ἄλλου μέρους, ἢ προαιρέσεις ἢ τέχνας μεταχειρίζεσθαι, οἷον στρατιώτην ὄντα γεωργεῖν, ἢ τεχνίτην ὄντα φιλοσοφεῖν.

[5] *Grāmabhṛitaka* (*Arth.* pp. 47 and 246).

[6] The terms are *kāru*, *çilpin*, *vaidehaka*, *adhyaksha*, and *yukta*.

[7] Megasth. writes (I, 7): εἶναι δ' αὐτοὺς συμβαίνει καὶ πρὸς τὰς τέχνας ἐπιστήμονας.

[8] *Chikitsaka*, *kuçilava*, *gāyana* and *vādaka*, *naṭa* or *nartaka*, and *gaṇaka*; also *vāgjivin* 'crier' (?).

guild, received official recognition[1]. In the workshops and the prisons (the latter periodically emptied[2]) artisans were engaged on contract or in penal tasks; and there is a 'spinning house' for the labour of widows and other helpless or unfortunate women[3].

Permanent associations in civil life include trader and merchant guilds (*çreṇi*) and clubs (*pūga*)[4]; but there were also temporary combinations of workmen and others engaged under corporate responsibility for the execution of contracts[5]. Collective obstruction was known and penalised[6].

Trade[7] was active, various, and minutely regulated. The precious wares comprise many species of gold, silver, spices, and cosmetics from all parts of India; jewels, including pearls from Southern India, Ceylon, and beyond the sea; skins from Central Asia and China; muslin, cotton, and silk from China and Further India. The best horses came, as now, from the Indus countries and beyond. The merchant was mulcted in dues at the frontier[8], by road-taxes and tolls, and by octroi at the gates of the cities, where the royal officials maintained a douane and watch-house[9]: he was required to be armed with a passport[10], and severe penalties were attached to malpractices in connexion therewith. The officials record in writing 'who the merchants are, whence they come, with what merchandise, and where it has been visé'd.' The country produce also was subject to octroi upon entry, and, to ensure that nothing might escape, there were prohibitions of purchase in part or in bulk at the place of origin in farms, orchards, and gardens[11]. The amount and price of all goods was declared, and the sale was by auction, any enhancement accruing to the treasury. Combinations to affect prices were punishable[12]; an army of spies was engaged on the routes in order to detect false declarations[13]. The prices of ordinary goods were fixed and proclaimed daily by the officials[14]. Similarly all weights and measures were subject to in-

[1] *Çrenīmukhya* (Hopkins, *op. cit.*, pp. 81–2; Fick, *Die Sociale Gliederung*, pp. 166–8).

[2] *Arth.* p. 146.

[3] *Arth.* 40 (*sūtrādhyaksha*).

[4] A *pūga* is defined as 'an association of persons of different caste and unspecified profession for purposes of business or pleasure.' On *çreṇi* see Hopkins, *op. cit.* pp. 81–2; acc. to Foy, *op. cit.* p. 14 n., it was a subdivision of a caste.

[5] *Arth.* 66 (*Saṃbhūyasamutthāna*); cf. also 76–7; Manu, VIII, 211.

[6] *Ibid.* p. 204.

[7] For various kinds of merchandise, see Hopkins, *op. cit.* p. 91 n.

[8] One fifth of the value acc. to *Arth.* 40.

[9] *çulkasthāna*, *ghaṭikasthāna* (*ibid.* p. 110).

[10] *mudrā* (*ibid.* 52).

[11] *Ibid.* 40.

[12] *Ibid.* p. 204.

[13] *Ibid.* pp. 111–2.

[14] Hopkins, *op. cit.* p. 130 n. Every five days or every fortnight acc. to Manu, VIII, 401–2.

spection[1]. There were export, as well as import duties and octrois, and certain classes of goods were forbidden to be introduced or sent abroad respectively. The king himself was a great trader, disposing of the output of his factories, workshops, and prisons, and the produce of his lands, forests, and mines, for which he maintained store-houses (*koshṭhāgāra*) through the country[2]. In particular he reserved the right of coining and other work in silver and gold, which was executed by his officials on behalf of those who brought their raw metal[3].

The state of society corresponding to this activity of trade, to the traffic on high roads (*rājapatha* 'routes royales') and by-roads (*vaṇikpatha* 'merchant roads'), the bustle at frontiers, ferries, tolls, and city-gates, and to the minute regulation of all these, must have been one of considerable complexity. Nor do we lack the means, literary or illustrative, of becoming in part acquainted with it. Beside the statements of the Greek writers, we may gather abundant material from the Pāli books of the Buddhist canon[4], from the Arthaçāstra and the code of Manu, from Patañjali's commentary upon the grammar of Pāṇini, and from the Rāmāyaṇa and Mahābhārata; while the Buddhist *stūpas* of Sānchī and Bhārhut supply ocular demonstrations of much that is recorded in the literature. But from this material large deductions must be made: the Sanskrit Epics, and in a less degree the books of the Pāli canon, reflect the circumstances of an earlier period—irrespective of the actual dates of composition—and we run the risk of confusing conditions as widely different as those of the Homeric, the Solonian, and the Periclean age in Greece. If we seek to elicit the special features of the Maurya epoch, we shall mark first of all the growth of luxury consequent upon the rise of the great Magadha empire in the east: in the Punjab, no doubt, in spite of the effeminacy which the Greeks observed in the court of Porus, the old tribal system was still prevalent. There the actual cultivator would still be a man of the three upper classes, while in the east he was generally a Çūdra. It is to this period, no doubt, that we must ascribe the great complexity of the caste system, and the beginning of the association of caste with craft. It seems not doubtful that a number of castes did arise, according to the Brāhman theory, by intermixtures of the old four divisions,

[1] *Arth.* 87 (*Tulāmānapotava*).

[2] Manu, VIII, 399; Kohler, *Altindisches Prozessrecht*, p. 54; Foy, *op. cit.* pp. 51–2, 61; Jolly, *op. cit.*, pp. 110–1. The king's trade-agent is *rājavaidehaka*.

[3] *Arth.* 81–2.

[4] See Chapter VIII, and Rhys Davids, *Buddhist India*, III–VI.

which still formed the basis: a process natural in itself, when intermarriage between the different classes was still licit, and certain to be specifically noted, while it is evidenced not only by the testimony of theological works, but also by so worldly a treatise as the Arthaçāstra. But it is only in a few cases that we find a particular occupation assigned to a particular caste[1].

In another respect the old system of caste had received a shock. To the contemporaries of Buddha and Mahāvīra the conception of a king who was not of the Kshatriya order would have seemed preposterous. But the Mauryas were of low extraction, as were the Nandas whom they succeeded. Henceforth the spectacle of the low-born man in power was never a rarity in India; and soon it was the foreigner. The vast empire, with its army of officials and spies, introduced a bureaucratic rule in place of the old quasi-feudal system.

Foreign influences also begin to assert themselves. In the stone architecture, which replaces wood in public monuments, as also in the style of the edicts of Açoka we have clear evidence of intercourse with Persia, which must necessarily have begun well before the fourth century[2]. And this advance in art affected religion also by its encouragement of image-worship[3].

As regards daily life, we find the public side of it sufficiently gay. The people were frugal in their diet, and sober, except on occasion of festivals. The chief display of luxury was in dress[4]. The inns, hostelries, eating-houses, serais, and gaming-houses are evidently numerous; sects and crafts have perhaps their meeting places and the latter their public dinners[5]. The business of entertainment provides a livelihood for various classes of dancers, singers, and actors[6]. Even the villages are visited by them, and the author of the Arthaçāstra is inclined to discourage the existence of a common hall used for their shows as too great a distraction from the life of the home and the fields[7]. At the same time there are penalties for refusal to assist in organising public entertainment. The king provides in amphitheatres constructed for the occasion dramatic, boxing, and other contests of men and animals, and also

[1] *Arth.* 60.

[2] See Chapters XIV, pp. 329, 341; XXVI, pp. 621—2; Fergusson, *Hist. of Indian and Eastern Architecture*, index, *s.v.* Persepolitan Capitals; Vincent Smith, *History of Fine Art in India and Ceylon*, pp. 58 sqq.; Grünwedel, *Buddhistische Kunst in Indien*, pp. 17 sqq. and Ch. II.

[3] Konow, *Ind. Ant.*, 1909, pp. 145–9.

[4] Megasth. XXVII, 8–9.

[5] *Arth.* 56.

[6] Hopkins, *op. cit.* pp. 118, 176.

[7] *Arth.* 19 (p. 48).

spectacles with displays of pictured objects of curiosity[1]—no doubt the private showman with his pictures of Hades, etc., was also active—; and not seldom the streets were lighted up for festivals and it was not penal to stir abroad. Then there were also the royal processions, when His Majesty went forth to view his city or to hunt[2].

In domestic life the joint-family system prevails: but it can be dissolved. Boy and girl attain their majority at the age of sixteen and of twelve respectively[3]. Adoption—legitimated by the king—is common. There are the four regular and four irregular forms of marriage, which is dissoluble by mutual consent or prolonged absence[4]. The wife has her dowry and her ornaments, sometimes also her bride-gift, which are her private property and to a certain extent at her disposal in case of widowhood. Ill-usage on either side is punishable. Upon failure of male issue the husband may after a certain period take other wives (of any class); but he is required to render justice to all: on the other hand, a widow is at liberty to marry again. Orphans are under the guardianship of their relatives[5]. The poor and helpless old, and in particular the families of soldiers and workmen dying during their employment, are regarded as deserving the king's care[6]. Concerning the *gaṇikās*, or public women, who were the king's servants, and whose practice and rights were subject to minute regulation, the Greek writers have told us enough[7]. Offences against women of all kinds are severely visited, including the actions of officials in charge of workshops and prisons; and their various imprudences and lapses are subject to a gradation of fines and penalties[8]. Refractory wives may be beaten (Manu, VIII, 299).

In totally denying slavery Megasthenes went too far[9]: in fact seven kinds of slaves are enumerated[10]: but it is laid down that no *Ārya* ('freeman,' here including the *Çūdra*) could be enslaved. A man might sell himself into slavery, and in times of distress children might be so provided for: also there were captives in

[1] See Hardy in *Album Kern*, pp. 61–6, and Açoka's Rock Edict, IV; also Manu, IX, 84 and 223, and Hopkins, *op. cit.* pp. 124–5.

[2] Megasth. XXVII, 16–7: *ἑτέρα δ' ἐστὶν ἡ ἐπὶ τὰς θυσίας ἔξοδος· τρίτη δ' ἐπὶ θήραν βακχική τις.* Cf. Hopkins, *op. cit.* pp. 119–20.

[3] *Arth.* p. 154.

[4] Concerning marriage see *Arth.* 59. Manu, IX, 76 (absence); IX, 97 (bride-gift).

[5] Manu, VIII, 27.

[6] *Arth.* 19 (p. 47), 91 (p. 246); *Mbh.* XII, 86, 24.

[7] Cf. *Arth.* 44.

[8] *Arth.* pp. 114, 146, chap. 67. The offence of killing a woman is equal to that of killing a Brāhman: see Hopkins, *The Four Castes*, p. 98; Jolly, *op. cit.* pp. 116–7.

[9] See Chapter XVI, p. 416; and *Arth.* 65.

[10] Manu, VII, 415.

war. In all cases the slave may purchase his freedom by any earnings acquired irrespective of his master's service, and ransom from outside cannot be refused. The slave woman who is taken to her master's bed thereby acquires freedom, as also do her children.

The progress of literature during the Maurya period is unfortunately for the most part matter for inference. Only three works, all in their way important, can with certainty be dated in or near it: these are the Arthaçāstra of Chāṇakya, the Mahābhāshya, Patañjali's commentary on the grammatical Sūtras of Pāṇini, and the Pāli Kathāvatthu. The Vedic period, including the Brāhmaṇas and the early Upanishads, was prior to Buddha, and the same may be said in principle of the *Sūtras*, or manuals of rites, public and domestic, the *Vedāṅgas*, treatises on grammar, phonetics, prosody, astronomy, etymology, ritual, whatever may be the date of the treatises which have come down to us. Nor can the like be denied regarding the various forms of quasi-secular literature which are named in works of about this period, the *Purāṇa*, or myth, the *Itivṛitta*, or legend, *Ākhyāyikā*, or tale, *Vākovākya*, or dialogue[1]. Some form of the Mahābhārata and Rāmāyaṇa, the former of which we infer from Megasthenes to have been current during this period, belongs also to an earlier epoch. One philosophical system, the Sāṅkhya, seems to be prior to Buddhism: a second, the Vaiçeshika, may have arisen in our period[2]. Finally, the canon of the Pāli Buddhism and also that of the Jains, which is said to have been fixed at Pāṭaliputra in 313 (312) B.C., and the system of the Lokāyatas or Ājīvikas, are also in substance pre-Maurya[3].

If we may conjecturally assign to this period any definite literary forms, these would be the *çāstra* and the artificial poetry, or *kāvya*. The former, the most characteristic product of the Indian mind, is the formal exposition of a particular science in dogmatic enunciations accompanied by a discussion (*bhāshya*). Such are the grammatical work of Patañjali, the Arthaçāstra of Chāṇakya, the Kāmaçāstra of Vātsyāyana: the Dharma Çāstra, or Law, followed an older model, that of the metrical treatise, and the Nyāya Çāstra, or Logic, is a later creation. We cannot doubt also that many of the minor sciences (*vidyās*) and arts (*kalās*), which were from earlier times a subject of instruction, had already attained some systematic literary form[4]. As regards the artificial

[1] Lists are given in the Mahābhārata (see Hopkins, *J.A.O.S.*, XIII, p. 112).

[2] It is known to Açvaghosha (*Sūtrālaṃkāra*) in the first century A.D.

[3] See Jacobi, *Kalpasūtra*, Introduction.

[4] A number of these are mentioned in the *Brahmajāla Sutta* of the *Dīgha Nikāya*.

epic, it is true that we have no positive evidence of its existence in Maurya times. But the Buddhacharita of Açvaghosha, which dates from the first century A.D., presents a perfect and stereotyped form, indicating a long preparation.

That writing was in common use not only for literary purposes, but also in public business, the edicts of Açoka exist to prove. But this is by no means all. Epistolary correspondence was perfectly usual[1], and written documents were employed in the courts of law[2]: moreover, the administration was versed in book-keeping and registration on a large scale and systematically arranged[3]. And we have already the beginnings of a study of style and a vocabulary of exegesis[4].

Sanskrit remained the language of the Brāhman schools, of public and private ritual, and also of secular literature, except perhaps in the case of folk poesy[5]. In the life of every day and also in administration, furthermore in the sectarian books of the Buddhists and Jains, a vernacular was employed; and from the Edicts of Açoka three such vernaculars are known, one of which, that of Magadha, probably profited by its central position at the headquarters of the empire to encroach upon the others[6]. The Sanskrit was perhaps favoured in cultured circles, and especially in the cities; and social ambition, hampered by insufficient training, began to foster a hybrid form of speech, now known as 'mixed Sanskrit,' which subsequently established itself as a literary medium in certain Buddhist schools, when the canonical vernaculars, themselves by no means dialectically pure, had already become stereotyped[7].

We shall not trespass further on the province of the historian of language and literature. Nor need we dwell at length upon the likewise special topics of religion and law. Nevertheless there is an aspect of these which appertains to general history.

There can be little doubt that the Maurya empire began with

[1] *Arth.* 28; also pp. 29 and 38. Strabo (XV, 67 and 73) mentions writing on cloth.

[2] Megasthenes denies written *laws*. Written documents are well avouched; see Manu, VIII, 168.

[3] See below, pp. 487–8. In *Arth.* p. 62, we hear of a Record Room (*nibandhapustakasthāna*) in the Treasury.

[4] *Arth.* 28 and 180.

[5] On this subject see the discussion in *J.R.A.S.* (1913), and reff.; also Prof. Jacobi's paper *Was ist Sanskrit?* in *Scientia*, XIV.

[6] Senart, *Inscriptions de Piyadasi*, II, pp. 484–5.

[7] The priority of the Pāli *style* is clearly shown by Prof. Oldenberg, *G.G.N.*, 1912, pp. 156 sqq.

a Brāhman, as well as a national, reaction[1]. The age of Buddha was one in which religious speculation was rife. Originally a product of the Brāhman hermitages, it had offered irresistible attractions to a people wearied of ritual formality. Innumerable sects arose; it became a common understanding[2] that from any class a man could go forth, abandoning his home, and found or join a sect of wandering disputants or ascetics. The Greek writers combine with the Buddhist and Jain books and the edicts of Açoka in testifying to the ubiquity of the *pravrajitas* or *çramaṇas* (Gk. σαρμᾶναι, σαρμαναῖοι)[3]. We cannot doubt that this would in the end constitute a danger to the established order and an offence to the Brāhman caste. The Brāhman, in the Vedic age a priest, had long ceased to be primarily so. It is true that in public and private ritual the priestly function was his, and he was entitled to the emoluments thereof: also the Purohita, or king's spiritual adviser, was one of the highest and most indispensable officers of state. It was, moreover, customary to consult the forest-dwelling Brāhmans upon high political matters[4], and in the law-courts the sacred law was stated by Brāhman assessors[5]. Nevertheless, as has been well said, the Brāhman was not a person who fulfilled a sacred function—in particular, the service of a temple has always been regarded as demeaning him—but a person who *was* sacred. He was exempt from taxation and confiscation, from corporal chastisement and the death penalty, branding and banishment being in his case the *ultima ratio*[6]. His true office was study and teaching, and his proper abode was the forest hermitage, where he maintained the sacred fires and lived for another world. An order such as this, established in customary respect and daily observance, was obviously threatened by the intervention of proselitising sects of *impromptu* origin, making claims upon the livelihood of the people, and interposing in formal and informal gatherings with fundamental problems. We can therefore well understand why the Arthaçāstra (Chap. 19) forbids the practice of abandoning domestic life without formal sanction and without provision for wife and family; and we look forward with confidence to the great doctrine of the Bhagavadgītā, that grand pillar of Brāhmanism, that salva-

[1] Lassen, *op. cit.* II, p. 213.

[2] See *Mbh.* XII, 63, 28; Megasth. XXXII, 12; and Rhys Davids, *Buddhist India*, pp. 141 sqq.

[3] Rock Edict, XIII; Megasth. XLI, 19. The ὑλόβιοι are the Sanskrit *vānaprasthas*.

[4] Megasth. XLIII, 19; *Mbh.* XII, 86, 26.

[5] Manu, VIII, 10; Hopkins, *op. cit.* p. 159.

[6] *Arth.* p. 220; Manu, VIII, 123–4, 380; *Mbh.* XII, 56, 32–3; Megasth. I, 40.

tion is attainable not by the rejection of civil duty, but in and above the performance of it. Accordingly we see in the Maurya age the beginning of a stage of concentration, in which only a few great sects could maintain themselves by the side of a settled Brāhman orthodoxy. And this was a natural corollary of a great empire.

Among the Brāhman deities the greatest share of popular adoration accrued to Çiva and Vishṇu (under the form of Kṛishṇa), whom the Greeks report to us as Dionysus and Heracles respectively[1]. With the former was associated Skanda or Viçākha, the god of war. The Buddhist books and sculptures, which give the preference to Brahmā and Indra, are in this respect archaising. Çiva was specially worshipped in the hill regions[2]; of the Vishṇu cult the great centre was Mathurā[3], the second home of the Kṛishṇa legend, which first arose in Western India. The Jains were probably still mostly to be found in Bihār and Ujjain, while the Buddhist expansion had perhaps even in the lifetime of the founder attained a far wider range.

Of law the bases are defined as, in ascending order of validity, sacred precept (*dharma*), agreement (*vyavahāra*), custom (*charitra*), and royal edicts (*rājaçāsana*)[4], and the subject is expounded rationally, not theologically. Civil law is treated under the heads of marriage and dowry, inheritance, housing and neighbourhood (including trespass), debt, deposit, slaves, labour and contract, sale, violence and abuse, gaming, and miscellanea[5]. Cases were heard—in the morning—before a triad of officials together with three Brāhman exponents of law[6]; and there were rules as to the circumstances in which agreements were valid, and as to procedure in court, with plea, counterplea, and rejoinder[7]. We learn from various sources that cases were commonly disposed of locally by reference to a body of arbitrators (*pañchāyat*), permanent or constituted *ad hoc*, or by the officials of various grades; and there was a system of appeals as far as the king, who was regularly present in court or represented by a minister (*prāḍvivāka*). Offences against caste or religion were tried by committees entitled *parishads*. Trials by wager or ordeal were also common. The penalties, reasonably graduated and executed by

[1] Megasth. I, 29–37; L. [2] *Ibid.* I, 33; L. [3] *Ibid.* L, 13.

[4] *Arth.* 58 (p. 150). Custom includes the customs of villages, gilds, and families (Manu, VIII, 41). For a general survey of the history of law and legal institutions see Chapter XII.

[5] *Arth.* 57–75. Manu (VIII, 3 sqq.) mentions 18 heads of legal action.

[6] *Arth.* 57; Manu, LIV, 10. In Manu VIII, 60, *three* witnesses are the minimum.

[7] *Arth.* 57.

royal authority, include fines (these, and also debts, often commutable for forced labour[1]), whipping, mutilation, and death with or without torture. In cases of assault the principle familiar in the modern proverb 'first at the Thānā' is already known, but disputed[2].

Under the title 'clearing of thorns'[3] are included criminal law, political offences, in particular misconduct on the part of officials, and the general business of police. Among the cases contemplated we may cite theft, murder, burglary or forcible entry, poisoning, coining, injury to property, criminal negligence, contumelious violation of caste rules[4], boycott and other acts of employees, combinations to affect prices, fraud in regard to weights and measures. In all these matters the magistrates (*pradeshṭṛi*, revenue and police officers) were assisted by an army of spies and *agents-provocateurs*, who in times of fiscal difficulty were also empowered to adopt the most reprehensible expedients for squeezing the well-to-do[5]. If the Greek writers are to be trusted when they report a rarity of offences among the Indians[6], this was plainly not due to a state of innocence even as regards elaborate criminal acts.

We now come to the matter of government and administration, which we may treat with a little more system.

Beginning with the civil administration and at its base, we find already in operation that system of village autonomy under the headman (*grāmaṇī*, an official nominee), which has prevailed in India at all periods. Through him, no doubt, there was a joint responsibility for the assignment and payment of the land revenue, and consequently for the proper cultivation of the fields, which failing, the occupier might be replaced by the village servants[7]. In consultation with the elders, the village *panchāyat*, he would also decide all questions relating to the customary rights and duties of the village barber, washerman, potter, blacksmith, and so on. His superiors were the *gopa* in charge of five or ten villages and *sthānika* theoretically ruling one quarter of the realm[8], each attended by executive, revenue, and police officials. By some texts[9] further official gradations are recognised, and in the edicts of Açoka the highest local officials, set over hundreds of

[1] Manu, VIII, 177 (debt), IX, 229 (fines).
[2] *Arth.* 78 (p. 196).
[3] *Arth.* 76–88.
[4] Manu, VII, 267 sqq.
[5] *Arth.* 90; *Mbh.* XII, 130, 36.
[6] Megasth. XXVII.
[7] *Arth.* 19 (p. 47).
[8] *Arth.* 19.
[9] Manu, VII, 115; *Mbh.* XII, 87, 2 sqq.; Hopkins, *op. cit.* p. 64.

thousands of persons, are termed *rājūkas*, a designation pointing, no doubt, to functions connected with survey, land settlement, and irrigation[1]. The superior of all these, to whom they reported successively, was one of the great ministers of state, the *samāhartṛi*, or Minister of the Interior and Chancellor of the Exchequer.

This important official[2] dealt with the whole income of the state, including that of the Royal domains. The main heads are (1) the proportion of the produce of land, which in India accrues immemorially to the king in lieu of rent, (2) the minor dues and cesses connected therewith[3], (3) the special income from irrigated land, and that from pastures, forests, mines, and other works, (4) the customs at the frontiers, the transport dues at ferries, etc., the road dues and tolls, the octroi at the city gates, the profits of coinage, and the various profits consequent upon the methods of sale, (5) the fees exacted as licences from workmen, craftsmen, traders and professionals, gaming houses and passports[4], (6) the fines derived from the law courts, also ownerless property[5], and (7) special taxes, as it were tithes, for religious objects. In times of straitness there were also 'benevolences'[6] exacted, but in theory only once, from the well-to-do. Under expenditure we understand without difficulty the maintenance of the sovereign and his court, the salaries—which the Arthaçāstra (Chap. 91) carefully defines—of the ministry and the vast army of minor officials and spies, religious provisions, the demands of the army and its equipment, including forts, the expense of mines, forests, etc., and of public works such as roads, irrigation, etc., which was regarded as the function of the state, the maintenance of the families of slain soldiers, officials dying during employment, and finally of helpless persons[7]. We have here matter for the work of a large establishment and an elaborate clerical system; and we learn in fact from

[1] Bühler, *Z.D.M.G.*, XLVII, pp. 466 sqq.

[2] *Arth.* 24 and 54; Manu, VII, 60.

[3] See Manu, VII, 127 sqq. The normal proportion is one-sixth; see Hopkins, *The Four Castes*, p. 77. But one-fourth in addition to rent is mentioned by Megasthenes (*v. sup.* p. 475, n. 1). The mention of rent is contrary to our Indian information and constitutes a problem.

[4] *Arth.* 52; Manu, VII, 137–8.

[5] *Arth.* 60; Manu, VIII, 30–8; Hopkins, *op. cit.* pp. 122–3.

[6] *Praṇaya* or *prīti* (to be demanded only once): see *Arth.* 90, Hopkins, *op. cit.* pp. 78, 86, 90–1.

[7] *Arth.* 19 (p. 47), 91 (p. 246); *Mbh.* XII, 77, 18, 86, 24; Hopkins, *J.A.O.S.*, XIII, p. 107. Stolen property, if untraced, was also to be made good by the State; cf. *Mbh.* XII, 75, 10.

the Arthaçāstra (Chaps. 25–7) that the business of the Treasury was carefully and minutely organised, with distinctions of current, recurrent, occasional, and other expenditure and various checks. Moreover, both in town and country the various grades of officials maintained full registers both of property and of the population[1]. Thus the bifurcating roots of a vast administration—no doubt more effective in theory than in practice—connected the individual taxpayer with the crown.

Another important minister was the *sannidhātṛi*, or Minister of Works[2], who had charge of storehouses, treasuries, prisons, armouries, warehouses and the like. An interesting item in his duties was the maintenance of a rain-gauge[3]. We shall not dwell upon the *pradeshṭri*[4], or head of the executive revenue and judicial service, or the *praçāstṛi*, or Minister of Correspondence, who was responsible for the drafting of decrees and royal letters[5], nor, of course, upon the numerous *adhyakshas*, or superintendents, the Episcopi of the Greek writers, in charge of minor departments. The other great officers of state were the *dauvārika*, Chamberlain or Master of the Ceremonies, the *āntarvaṃçika* or Head of the Bodyguard, and the four indispensable chiefs who formed the inner cabinet, namely the *mantrin*, i.e. Dīwān or Prime Minister, the *purohita*, or religious adviser, the *senāpati*, or Commander-in-Chief, and the *yuvarāja*, or Heir Apparent. In the provinces were the various *antapālas*, or Guardians of Frontiers, and *durgapālas*, or Commanders of Forts, while the great empire of the Mauryas found a place also for the Viceroy (*uparāja*), no doubt attended by his own, minor, court. The functions of ambassadors are clearly recognised, with distinctions of plenipotentiary, envoy, and instructed emissary, and rules for their behaviour are enunciated[6]. The chief ministers were in many cases hereditary and, except in the instance of the Purohita, they would be more often of Kshatriya, than of Brāhman, caste (Manu, VII, 54).

As regards the government of cities, we hear of the mayor (*nāgaraka*)[7], under whom as in the country districts are *sthānikas* and *gopas*, whose duties similarly include the keeping of registers

[1] *Arth.* 54–6. [2] *Ibid.* 28. [3] *Ibid.* p. 58.

[4] On his duties see *J.R.A.S.*, 1914, pp. 383–6. [5] *Arth.* 28.

[6] *Arth.* 12; Manu, VII, 63–7. A list of officials may be seen also in Hopkins, *op. cit.* pp. 128, 129 n.

[7] *Arth.* 56; Manu, VII, 121; *Mbh.* XII, 87, 10. In virtue of his general functions he is entitled, like the premier, *sarvārthachintaka*, 'thinker upon all matters'; cf. Foy, *op. cit.* p. 75.

of persons and property. All inns, hostels, serais, and places of entertainment are under surveillance, and reports are received concerning strangers and frequenters. Then there are the various superintendents of works and dues, of sales, weights and measures, of store-houses and so forth. According to Strabo many of these duties were discharged by boards of five (*pañchāyats*)[1], and he enumerates six such boards, whose respective functions have already been described in Chapter XVI. No doubt the system varied from place to place, and it may have differed according as the city was capital or provincial, subject to a sovereign or independent (δημοκρατουμένη, αὐτόνομος, as according to Megasthenes[2] most of them had at one time been). We may think of the difference between a royal borough and free town in our own middle ages.

Coming now to the military, we find that the native Indian accounts present a view of the case rather less simple than does Megasthenes[3].

According to these accounts the military might consist of troops of different kinds, namely hereditary or feudatory troops, hired troops, gild levies, and forest tribes[4]. In the first named, which were regarded as the most trustworthy, we may doubtless recognise the old Kshatriya division of society, connected by caste, and ultimately by race, with the king himself, such as in later times we find them in the quasi-feudal states of Rājputāna. In the second class also the Kshatriya element would probably predominate, though here there would be, no doubt, a career for any bold adventurer with a strong arm and a soldierly bent. As concerns the gild troops, which are plainly regarded as having a chiefly defensive character[5], there is some room for doubt: were they merely the ordinary trade gilds, as an organisation for calling out the people for service in time of invasion, a sort of militia or *landwehr*? Or were they quasi-military corporations[6], such as the modern Briñjāras, whose business was to supply merchants and others with armed protection of a quasi-professional character? While refraining from a decisive pronunciation, we cannot but incline in the circumstances to the former alternative,

[1] XV, C. 708. A *pañchāyat* is mentioned in connexion with town administration in the passage from the Mahābhārata, ap. Hopkins, *op. cit.* p. 85 n.

[2] I, 32; XXXII, 4; XXXIV, 7.

[3] See Chapter XVI, p. 410.

[4] *Arth.* 137; Hopkins, *op. cit.* pp. 185 sqq.

[5] They are for 'short expeditions' and less quickly assembled (*Arth.* pp. 341 and 346); cf. Hopkins, *op. cit.* p. 94; Manu, VIII, 41.

[6] On these see *Arth.* 160 (p. 376).

for which the gilds of medieval Europe supply a fair analogy, and which is supported by the defensive character of the force. In any case the gild troops were regarded as in military value inferior to the men-at-arms. The forest tribes, employed like the Red Indians in the French and English wars of North America, or like other untrained auxiliaries in the armies of Greece and Rome, were destined for the service of distracting or detaining the enemy rather than for the actual crises of campaigns[1].

The main divisions of the army were the elephant corps, the cavalry, and the foot: to which should be added the foragers and camp-followers. There was a scientific distinction of vanguard, centre, rear, wings, reserve, and camp, with elaborate discussions of formations on the march and in battle, attack and defence, and the value and employment of the several arms[2]. Equipment was in considerable variety, including fixed and mobile engines, such as 'hundred-slayers'[3]. Such instruments were, of course, familiar even to the early nations of Mesopotamia, as were also the construction and siege of forts. The Indian forts were, as we have seen, systematically designed, with ditches, ramparts, battlements, covered ways, portcullises, and water-gates; and in the assault the arts of mining, countermining, flooding mines were employed no less than the devices of diplomacy[4]. In short, the Indians possessed the art of war. If all their science failed them against Alexander, and against subsequent invaders, we may conjecture, in accordance with other aspects of Indian thought, the reason that there was too much of it. In the formation adopted by Porus, the elephants and chariots in front and the infantry in the rear, we may perhaps detect an agreement with the precepts of the books[5]. As regards the ethics of fighting, the Greeks received an impression of something not unchivalrous; and here too we may recall the written precepts as to fair fighting, not attacking the wounded or those already engaged or the disarmed, and sparing those who surrendered[6].

It is in foreign policy that we find the culmination of the Indian genius for systematic exposition, the principles being those of Machiavelli[7]. Policy has not large aims; the mainspring is the

[1] *Arth.* 12 (p. 31); *Mbh.* XII, 59, 48.
[2] *Arth.* 107 sqq.; Manu, VII, 187 sqq.; Hopkins, *op. cit.* pp. 191 sqq., 201 sqq.
[3] *Arth.* 86; Hopkins, *op. cit.* p. 178 n., pp. 293–4 and nn.
[4] *Arth.* 168. [5] *Arth.* 158–7; *Mbh.* XII, 99, 8.
[6] Manu, VII, 90 sqq.; *Mbh.* XII, 95, 6 sqq.; Hopkins, *op. cit.* pp. 227 sqq.
[7] *Arth.* 98 sqq.; Manu, VII, 155 sqq.; Formichi, *Gl' Indiani e la loro scienza Politica*, pp. 89 sqq.

rivalry of kings and the much applauded desire for glory and imperial rule. Already we find worked out in pedantic detail the not unreasonable principle that the neighbouring state is the enemy and the alternate one the ally. The varying circumstances decide in which of the six *guṇas*, or situations, the monarch finds himself, whether aggressor, defender, or *tertius gaudens*, and to which of the four expedients, war, conciliation, bribery, or dissension, he must have recourse. Here the arts of treachery and overreaching attain a climax: even in war there is a whole science of sowing suspicion among allies, treason in armies, disaffection or revolt in kingdoms (Manu, VII, 199 sqq.; *Mbh.* XII, 103).

Of the polity which we have outlined, the only polity approved by Indian science, the keystone was the sovereign. Even in the Vedic age the prevailing system was monarchical[1]. Nevertheless the Vedas afford evidence of tribes in which the chief authority was exercised by a family, or even, as in the case of the German nations described in the work of Tacitus, by a whole body of nobles, who are actually designated kings[2]. Of such ruling oligarchies the age of Buddha furnishes, as is well known, a number of examples: such were the Mallas of Kusinārā and the Licchavis of Vesālī. To these oligarchical communities the growth of the great kingdoms proved destructive: at the time of Alexander's invasion they had largely disappeared from eastern Hindustān, and in the Punjab also Porus was working for their subjugation[3]. The Arthaçāstra (Chaps. 160–1) has even a policy of compassing their overthrow by internal dissension. Nevertheless, a number of them survived through and after the Maurya empire[4], and one of them, that of the Mālavas, handed down to later India its first persistent era, the so-called Vikrama era, which is still the common era of northern India.

In the monarchies the king controls the whole administration, and by his spies[5] keeps watch upon every part of it. He is recommended[6] to check his officials by division and frequent change of functions. Nevertheless, the Indian king is no sultan with the sole obligation of satisfying his personal caprice. The origin of royalty is the growth of wickedness and the necessity of chastisement, the virtue of which the Indian writers celebrate with

[1] Zimmer, *Altindisches Leben*, pp. 162 sqq.

[2] Rhys Davids, *Buddhist India*, pp. 1 sqq.; Jayaswal, *An Introduction to Hindu Polity*, pp. 3 sqq.

[3] Jayaswal, *op. cit.* pp. 1–7.

[4] See Chapter XXI, p. 528.

[5] Classified in *Arth.* 8–9.

[6] *Ibid.* 22 (p. 57), 27 (p. 70).

a real enthusiasm[1]. It is as guardian of the social (including domestic and religious) order and defence against anarchical oppression that the king is entitled to his revenue; failing to perform this duty, he takes upon himself a corresponding share of the national sin[2]. Educated in these precepts among a moralising people, he would have been more than human had he escaped the obsession of this conception of his duties. Hence we not seldom hear on royal, as well as on priestly, lips the expression that the king should be the father of his people[3].

His education is in philosophy, Vedic lore, business, and the science of polity[4]: he is also to receive the ordinary instruction in mathematics and literature[5]. He must attain to complete control of his passions by consideration of the errors of famous men in the past. He must never be off his guard or lacking in force[6].

His occupations are mapped out with a minuteness which in the literature is a subject of humorous comment[7]. The day and the night are divided by sundial or water-clock each into eight portions. Aroused by music at the end of the sixth nocturnal hour, he receives the salutations of his Purohita and others, and interviews the doctors and kitchen officials: then he reflects upon the principles of polity and forms his plans, after which he sends out his secret emissaries, and hears reports of his military and financial advisers. Next comes the hour for appearing in the Audience Hall or in the Law Courts[8], and considering the affairs of the public, which has free admission. After this the king retires for his bath and repast; and this is also the time for religious devotions. The interval passed, he receives those who bring gifts, interviews his inspectors, corresponds by letter with his ministers, and makes plans of espionage. The sixth hour having now arrived, he takes his ease and reconsiders his policy. In the seventh and eighth hours, the cool of the day, he inspects his horses, elephants, and arsenal, and consults with the Commander-in-Chief: at sunset he performs the usual religious ceremony. The

[1] *Mbh.* XII, 59 and 121–2; Manu, VII, 14 sqq.; Hopkins, *op. cit.* pp. 135 sqq.

[2] Cf. Hopkins, *op. cit.* p. 78.

[3] *Ibid.* pp. 113 sqq.; Manu, VII, 80.

[4] *Arth.* 1; Manu, VII, 43.

[5] The king Khāravela of Kaliṅga is educated in writing, arithmetic, law, and all sciences. Cf. *Arth.* 2 and Hopkins, *op. cit.* pp. 108 sqq.

[6] Energy, *utthāna*, 'alertness' (Hopkins, *op. cit.* p. 125), is the favourite word.

[7] See also Chapter XVI, p. 416. *Arth.* 16; Manu, VII, 145 sqq., 217 sqq.; Hopkins, *op. cit.* pp. 129 sqq.; Formichi, *op. cit.* pp. 65 sqq. For the humorous comment see *Daçakumāracharita*, VIII, *sub. init.*

[8] Megasth. XXVII, 16.

first hour of night brings in the reports of spies. Then come the second bath and meal, followed by religious meditation. To the sound of music His Majesty retires for rest.

The palace[1] is a walled building, with the women's apartments, gardens, and tanks in the rear. In front of these is the innermost court, where the king on awakening is saluted by the various domestic officials, and, according to Aelian (XIII, 22) also by an elephant. The next is the station of a sham body-guard of dwarfs, hunchbacks, wild men, etc.; while the outermost of all, communicating with the exterior, is occupied by an armed retinue, and by ministers and connexions.

Everything bespeaks precaution. The structure of the palace itself includes mazes, secret and underground passages, hollow pillars, hidden staircases, collapsible floors. Against fire, poisonous animals, and other poisons there is diverse provision, including trees which snakes avoid, parrots and *çārikā* birds which cry out on seeing a serpent, other birds which are variously affected by the sight of poison. Everyone has his own apartments, and none of the interior officials are allowed to communicate with the outside. The women are carefully watched by attendants, male and female; not even their relatives are admitted to them, except in time of childbirth or illness. All employees coming from without, such as nautch women, undergo bath and massage and change their dress before admission. Material objects, as they pass in and out, are placed on record and under seal. According to Megasthenes (XXVII, 15), the king changes his apartment *every night*.

The kitchen is in a secret place, and there is a multitude of tasters. The signs of poison in the viands and in the demeanour of the persons are carefully noted. Medicaments must pass similar tests. The instruments of the shampooer and others must be handled by the body-guard, and the persons themselves bathed, etc.: articles of ornament and apparel are inspected by female slaves; cosmetics, etc., are first tried on those who apply them. If actors are admitted, the orchestra and other appurtenances separate them from the spectator. The king rides or drives in the company of high officials. When he embarks upon a ship, the same is the case; no other vessel must be near, and troops are stationed on the shore. Similar precautions attend the hunt. Foreign emissaries are received in durbar, and the king inspects his troops armed and mounted on elephant or horse. In his progresses the roads are

[1] *Arth.* 17–18.

lined on both sides by police who keep away all armed persons, ascetics, and cripples: he never enters a crowd[1]. Should he take part in a procession, banquet, festival, or wedding, it is in full retinue.

The question of grown-up princes—that problem of polygamous sovereignties—receives careful consideration: for princes, like crabs, devour their parents[2]. Shall they be kept at hand, or aloof? if the latter, shall it be in a specified locality, in a frontier fort, in a foreign country, in rustic seclusion? or finally, shall they be put out of the way? In any case, they are to be under surveillance, and at need betrayed by *agents-provocateurs*. The good son is to be made Commander-in-Chief or Heir Apparent, and in general the eldest is to be preferred. But a single son, if misbehaving, must by some expedient be replaced. The Arthaçāstra even contemplates a joint-family sovereignty, as exempt from the difficulties attending succession[3].

It would seem that the states contemplated by the Indian science of Polity are of moderate extent. With the great empires, and in particular with that of the Mauryas, comes in the institution of Viceroys, or *uparājas*[4], for example at Ujjain and Taxila. It has been suggested that it was the Alexandrian invasion that gave the impetus to the foundation of a single sovereignty embracing the greater part of India. This is sufficiently refuted by the facts: and indeed the conception of a Universal Emperor is quite familiar in the Vedic period: we may even believe that the conception was brought into India by the Āryans, who must have known of the great Mesopotamian powers. If we must seek for any foreign influence in Maurya times, we should think rather of the Achaemenids, whose dominions extended to the Indus. As is well known (*v. sup.* p. 480), the architecture of the period, and also the style of Açoka's edicts, show definite traces of Persian influence; and the expressions 'the king's eye' and 'the king's ear,' occurring in the Arthaçāstra (pp. 175 and 328), seem to furnish literary indications pointing in the same direction.

[1] *Arth.* 18 (p. 45). [2] *Ibid.* 13–4.
[3] *Ibid.* 14; cf. Hopkins, *op. cit.* p. 139 n.
[4] Cf. Fick, *op. cit.* p. 86.

CHAPTER XX

AÇOKA, THE IMPERIAL PATRON OF BUDDHISM

THE son and successor of Chandragupta is in Buddhist literature known as Bindusāra, whereas the Purāṇas give the name Nandasāra or Bhadrasāra: in such a matter the Buddhist testimony would have superior authority. The Greeks use instead of the name a title, Amitrochates = Sanskrit *Amitraghāta*, 'slayer of the foe,' a form which is quoted, perhaps with reference to this king, in the grammatical work of Patañjali[1].

From Greek sources we learn concerning Bindusāra only that he was in communication with Seleucus Nicator, from whom he received an envoy named Daïmachus and solicited the purchase of sweet wine, figs, and a philosopher, the last named being refused on the ground that the sale of a sophist was not in accordance with Greek usage[2]. The second Ptolemy, Philadelphus, also dispatched a representative, Dionysius, whose memoirs are unfortunately not preserved.

The Purāṇas attribute to Bindusāra a reign of twenty-five years, the Pāli books one of twenty-seven or twenty-eight. Whether he earned, or merely assumed, his soubriquet, we do not learn; but it is clear that he maintained intact the dominions inherited from Chandragupta. He had to deal with disaffection in Taxila, a city which was also to give trouble to his successor. It was allayed by the despatch of that destined successor, his son Açoka[3].

The events and occurrences of the life of Açoka, as we know them from the sole trustworthy source, namely his own inscriptions, are as follows. In the ninth year after his coronation he effected the conquest of the Kaliṅga country, i.e. Orissa with the Ganjām District of Madras. The slaughter and suffering which attended the conquest produced upon his mind such an impression that it proved the turning-point in his career. He joined the Buddhist

[1] *Mahābhāshya*, III, 2, 88. For Ἀμιτροχάτης (Athenaeus XIV, 67) Strabo has Ἀλλιτροχάδην.

[2] See Chapter XVII, p. 438.

[3] *Açokāvadāna* (= *Divyāvadāna*, XXVI), pp. 371 f.

order as a lay disciple, and thus subjected himself to the influence of ideas of which he was destined to be one of the greatest propagators. His active devotion to that faith began, however, two and a half years later, about the end of the eleventh year from his coronation, when he became a member of the *Sangha*, or order of monks, and in that capacity travelled from place to place, like the wandering Buddhist and Jain brothers, displaying energy, as he phrases it[1]. This energy took the form of visits and gifts to Brāhmans, ascetics, and old people, instructions and discussions relating to the Buddhist *Dharma*, or religious rules and principles. At the end of this tour, which he claims to have had important results, not however very clearly indicated, he issued the first of his religious proclamations, an exhortation to his officials to adopt the like principle of energetic action; and he also orders that his missive should everywhere be engraved upon rocks and on stone pillars, where such existed. The practice of carving Buddhist sentiments in this manner on conspicuous objects was afterwards to receive a very wide extension, as is still visible in Tibet, in Central Asia, in China, and throughout the Buddhist world. During the following two years, the thirteenth and fourteenth, Açoka's activity must have been at its height. He issued no fewer than sixteen missives, of which fourteen are found engraved, in one corpus, in places as far distant as the extremities of his empire, at Girnār in Kāthiāwār, at Mānsehra and Shāhbāzgarhī in the Punjab, and twelve of the same with two others at Dhauli and Jaugada in Orissa[2]. In these records, which seem to have been engraved in his fourteenth year, Açoka gives an account of the administrative and other measures which he had adopted. He had been active in causing wells to be dug by the roads, in providing medical aid for men and animals (perhaps a reference to animal hospitals, now known as *Panjroles*), and in propagating medical or useful plants; and this not only in his own dominions, but in those of the neighbouring, independent and quasi-independent, states of South India and the north-west frontier, nay, even as far as the Greek kingdom of Antiochus and beyond. Then he had made regulations restricting the slaughter of animals for food and especially on occasions of festivals and public shows. He had issued eloquent appeals for kindness and consideration in family relationships, in dealings with Brāhmans and teachers, in the

[1] Edict of Sahasrām, etc.

[2] The Orissa versions omit nos. XI–XIII of the other groups and append two special ones.

mutual attitudes of different sects; further, he had denounced what he regarded as excess of profitless (i.e. Brāhman) ceremony in public and private life, and had inculcated economy, earnestness, and mutual exhortation. For the gay progresses of his predecessors on their hunting and holiday excursions (see Chapter XVI, pp. 416–7) he had substituted edifying spectacles and pious conferences; and he had arranged that he should himself always, even in his most private hours, be accessible to urgent calls—a serious inroad upon the strict apportionment of the royal time which we have detailed above (p. 492). Finally, in his thirteenth year he had instituted quinquennial circuits of the leading officials for the purpose of proclaiming the moral law as well as for the discharge of their normal functions. In the fourteenth year he appointed high officials, entitled *dharma-mahāmātras*, with the duty of inculcating piety, redressing misfortune or wrong, organising charitable endowments and gifts. Some of these officers stood in special relation to the establishments, and benevolences, of his various relatives, and the operations of others extended even to the foreign countries to which allusion has been made above.

The next objects of Açoka's solicitude were the unsubdued frontier peoples, and persons in the provinces who had incurred penalties, concerning whom we have the two edicts addressed to his officers at Dhauli and Jaugada in the Kalinga country. Towards both classes he expresses a paternal regard: he is anxious to win the confidence of the borderers; and, as regards imprisoned persons, he solemnly exhorts his officials to make justice, patience, and forbearance the principles of their action. At the same time he gives instruction for the periodical public recitation of these admonitions, and repeats, for the benefit of the Kalinga officials, his intention of instituting quinquennial circuits. His sons, the Viceroys in Taxila and Ujjain, would follow a similar practice at intervals of three years.

The ensuing period of about twelve years has left little record in documents emanating from the emperor himself. But we may plausibly conjecture that Açoka now entered upon that course of religious foundations which has given him his unique reputation as a builder of Buddhist shrines. Eighty-four thousand religious edifices—a conventional high number in India—are ascribed to him, the chief sites being the places famed as having been visited by Buddha; and he is said to have redistributed among them the relics of Buddha, which were originally portioned between eight favoured cities. The actual records are not at variance with such

a supposition. We know that in his thirteenth, and again in his twentieth, year he dedicated cave-dwellings in the Barābar hills for the use of monks of the Ājīvika sect. In his fifteenth year he enlarged the *stūpa* of the Buddha Kanakamuni, not far from Kapilavastu; and during the twenty-first year he personally visited this site and that of Buddha's own birth-place, the garden of Lumbinī, setting up commemorative pillars and in the latter case granting a remission of taxation. In this period would also fall the inscriptions which attest his growing attachment to the Buddhist order and doctrine, that which ordains ecclesiastical penalties for schism[1], and the address to the community of monks, which among the sayings of Buddha, containing nothing that has not been well said, selects certain passages as pre-eminently suited for instruction and meditation[2].

At this point we should doubtless interpolate a series of events which were of high importance for the spread of Buddhism, and which, though not mentioned by the emperor himself, are among all the legendary matter that has gathered round his name the portion best entitled to credence. It is in the nineteenth year from Açoka's coronation, the twenty-first according to a proposed chronological emendation, that the Mahāvaṃsa, the Pāli history of Buddhism in India and Ceylon, places the Third Council, held under the emperor's patronage in the Açokārāma at Pāṭaliputra. The Council, occasioned by sectarian differences among the Buddhist confession, of which as many as eighteen divisions are named, was held under the presidency of a famous monk, named Moggaliputta Tissa, to be distinguished from another Tissa mentioned in the same accounts as brother and viceroy of Açoka: in the northern texts he is called Upagupta. It deliberated during a period of nine months; and its ultimate decision is stated to have been in favour of the school of the Sthaviras, which afterwards prevailed in Ceylon. This remarkable gathering, though ignored by the northern Buddhists, can hardly be a fiction: it represents the culmination of the earlier form of Buddhism, which with the ensuing expansion was destined to undergo a profound modification of spirit. The canon of authoritative scriptures is stated to have been on this occasion definitely closed; and in the Kathāvatthu, composed at the time by Upagupta, we have a full record of the divergencies of opinion which led to its convention. Its dismissal was the signal for an organisation of the missionary activity which was already, as we have seen, included in the policy

[1] Edict of Sārnāth, Kauçāmbī, and Sānchī. [2] Edict of Bhābrā.

of Açoka. The names of the chief evangelisers of the different provinces are carefully preserved to us. To Kashmīr and Gandhāra was sent Madhyantika, and to the Yavana or Greek country (Bactria?), Mahārakshita; southern India, in its several provinces, claimed the apostles Mahādeva (Mahishamaṇḍala), Rakshita (Vanavāsa), Dharmarakshita a Yavana (Aparāntaka), and Mahādharmarakshita (Mahārāshṭra); Majjhima proceeded to the Himālaya regions, and the fraternal pair Soṇa and Uttara, linked by the common vicissitudes of more than a single existence, to Suvarṇabhūmi, or a part of further India. That these are no mere legendary names we are permitted to know from some of the earliest surviving monuments of Buddhism, the *stūpas* of Sānchī, dating from the second, or first, century B.C., where relics of some of them have actually come to light[1]. But their fame has been eclipsed by that of the saints entrusted with the conversion of Ceylon, who are said to have been no other than Açoka's own children, his son the monk Mahendra and his daughter the nun Saṅghamitrā[2]. Accompanied by the *sthaviras* Ṛishṭriya, Utriya, Çambala, and Bhadrasāra, they received a becoming welcome from the king of Ceylon, Devānāmpiya Tissa, who with his people was ultimately converted, and founded in honour of the evangelists the Great Vihāra, thenceforward the headquarters of Singhalese Buddhism. The special history of the island falls outside the scope of this chapter: the mission of the princely pair was treasured in the memory of Indian Buddhism; and its dispatch has been supposed to be depicted in a fresco on a wall in one of the caves of Ajanta[3].

We now return to Açoka's own rescripts, the concluding group of seven edicts, which are found inscribed upon pillars, the whole number at Delhi and six of them also at other spots in the central regions of Hindustān. They belong to the twenty-seventh and following year from the coronation. In tenor they open out no new courses of action, but repeat and continue the earlier principles. One of them, however, which will be textually introduced below (pp. 510–1), has an especial interest, as a recapitulation of the aims and measures of the reign.

The whole duration of Açoka's rule was, according to the concurrent testimony of the Brāhman and Buddhist historians, 36–37 years, reckoned, no doubt, from his accession. He himself

[1] See Cunningham, *Bhilsa Topes*, pp. 285 sqq.; Maisey, *Sanchi*, pp. 108–115; Fleet, *J.R.A.S.*, 1910, pp. 425 f. For the *stūpas of* Sānchī see Chapter XXVI, pp. 627 ff.

[2] On these relationships *v. inf.* p. 500.

[3] Griffiths, Pll. 94, 95. For the history of Ceylon see Chapter XXV.

makes mention of his brothers and sisters[1], a sufficient refutation of the legend that at his accession he began his reign by putting to death all the hundred other sons of Bindusāra. His elder brother, known in northern literature as Susīma, and in Pāli books as Sumana, doubtless did incur the fate of a vanquished rival: and it is to the son of Susīma, by name Nigrodha, that the king's conversion to Buddhism is ascribed[2]. A full brother, Tissa, plays a considerable part in the Pāli story. He is said to have been for a time viceroy, and to have joined the Buddhist order, along with Agni-Brahmā, husband of Saṅghamitrā, in the fourth year after Açoka's coronation. A Chief Queen and her sons, no doubt the princes referred to as viceroys in Taxila and Ujjain, are mentioned in the edicts[3], as also are the second queen Kāruvākī and her son Tīvara. The Chief Queen, in the Ceylon records named Asandhimitrā, may possibly have been the heroine of Açoka's youthful romance as Viceroy of Ujjain, the lovely maiden named Devī, of Vedisā (Vidiçā, the modern Bhīlsa), mother of Mahendra and Saṅghamitrā[4]. Another romance is connected with the name of Tishyarakshitā, represented as an attendant upon Asandhimitrā and Chief Queen of Açoka's later years, who, enacting the part of Potiphar's wife, is stated to have occasioned the blinding of the emperor's eldest son and heir, Kuṇāla, Viceroy of Taxila, and in a still later legend founder of the Buddhist dynasty of Khotan in Chinese Turkestān. The jealousy of Tishyarakshitā is said to have been aroused also by Açoka's devotion to the sacred Banyan tree at Gayā, under which the son of Çuddhodana had attained to Perfect Enlightenment. And thus on the Sānchī *stūpa*, where we find carved the propitiatory procession to the tree, by which the threatened mischief was appeased[5], we have an actual first or second century representation in art, though by no means a por-

[1] Rock Edict v.

[2] According to the story Nigrodha was at the time about seven years old! The date is, of course, irreconcilable with the edicts.

[3] Pillar Edict VII.

[4] Mahendra is said to have been twenty years of age, and Saṅghamitrā eighteen, at the time of their ordination. As the former was born fourteen years before the coronation, this brings us to the year 6 after that event, which is again hardly to be reconciled with the edicts. It was for Mahendra, who was ordained by Moggaliputta Tissa and who afterwards succeeded the latter as head of his followers, that Açoka built the Açokārāma at Pāṭaliputra. As is well known, Mahendra is in the northern stories made the brother, and not the son, of Açoka, probably through confusion with Tissa. A son of Saṅghamitrā, Sumana by name, also became a monk. Of a daughter of Açoka, by name Chārumatī, a Nepāl legend will be mentioned below (p. 501).

[5] Foucher, *The Beginnings of Buddhist Art*, pp. 108–9. See also Chapter XXVI, p. 630, Pl. XXII, 60.

trait, of the great propagator of the Buddhist faith and morals and the imperially lavish founder of its shrines.

Açoka's activity in this latter respect is not proportionally evidenced by existing monuments. When the Chinese pilgrims refer, as they constantly do, to a '*stūpa* of Açoka,' we cannot in strictness understand anything more than one of archaic style, such as are those still more or less intact at Sānchī or Bhārhut or figured on their sculptures and elsewhere, nor are we allowed to ascribe *en bloc* to the emperor himself the pillars at Delhi, Allahābād, Sārnāth, Rāmpūrvā and in other places, on which his edicts are found inscribed: he himself forbids this, when he orders his edicts to be engraven on pillars, where such should be found[1]. The only works of this nature particularised by him in the edicts relating to the places in question are the double enlargement of the *stūpa* of Koṇagamana at Niglīva, the pillar erected at the same place and that at the Lumbinī garden: the cave-dwellings assigned to the Ājīvika monks in the Barābar hills are not expressly stated to have been constructed by Açoka's orders. When we have added the stone railing round the Bodhi-tree, which seems to be figured on the *stūpa* of Sānchī (*v. sup.* p. 500), we have completed the list of what can certainly be ascribed to him. But, no doubt, the remains of the palace, the Açokārāma, the Kukkuṭārāma, and other erections at Pāṭaliputra may be plausibly claimed for him[2]; and we may also mention the completion on his behalf, by the Yavana king Tushāspha, of the Sudarçana tank in Junāgarh, which had been begun by his grandfather Chandragupta[3]. For the rest we must be content to believe that the great reputation which he enjoyed in this respect had a solid foundation.

Two famous cities in frontier countries have a traditional claim to Açoka as founder. The former is Çrinagar, the capital of Kashmīr, embracing the site of the old Çrīnagarī, which is connected with his name[4]. In Nepāl the ancient city of Deo-Pātan (Deva-pattana) and the adjacent village of Chabāhil are associated with a visit of Açoka accompanied by a daughter Chārumatī and her Kshatriya husband Devapāla[5]. The two latter are said to have remained in the country and to have built respectively a

[1] Edict of Sahasrām etc. (the earliest edict). Pillars set up by Açoka's own orders are mentioned in Pillar Edict vii (quoted in full *inf.* p. 510). In other cases style and archaeological considerations must decide.

[2] Waddell, *Report on the Excavations at Pāṭaliputra (Patna)*, Calcutta, 1903.

[3] *Ep. Ind.* viii, pp. 46–7.

[4] *Rājataraṅgiṇī*, translation of Sir M. A. Stein, i, ll. 101–7, and the notes.

[5] Sylvain Lévi, *Le Nepal* (Musées Guimet, 1905–8), i, pp. 67 and 263; ii, 24, 336; iii, 161 f.

nunnery and a monastery, the latter left unfinished by its founder. The legend—for such it is—derives some support from the archaic style of the four neighbouring *stūpas* ascribed to Açoka.

The name Açoka occurs in only one of the known inscriptions[1]. Elsewhere the emperor employs (in conjunction with *rājā*, 'king') the official titles *devānāṃ priya*, 'dear to the gods,' and *priyadarçana*, 'of friendly mien.' The former style—which in later ages the popular grumbling, so humorously common in India, as in other countries, diverted to the sense of 'fool'—is known to have been employed by contemporary kings in Ceylon, and by Açoka's grandson (or still more remote descendant) Daçaratha, so that it was probably normal; indeed Açoka himself once uses the plural in the sense practically of 'kings.' *Priyadarçin* also, which has been well rendered 'gracious,' may represent a customary view that the king should wear 'a mild, pleasant, and composed aspect'[2]. But it is certainly quite possible, as M. Senart suggests[3], that it was adopted by Açoka as his ordination name.

The chronology of the reign is fixed within wide limits by the mention in the thirteenth Rock Edict of 'the Yona King Antiochus and beyond that Antiochus to where dwell the four kings severally named Ptolemy (Philadelphus of Egypt, 285–247 B.C.), Antigonus (Gonatas of Macedon, 278–239), Magas (of Cyrene, died 258), and Alexander (of Epirus, 272–258?).' The fact that these are all supposed to be reigning makes it unlikely that the edict was issued long after the year 258 B.C., when one, if not two, of them died. A prior limit of any value does not seem to be supplied by the passage, inasmuch as Antiochus Theos, whose reign began in 261 B.C., was preceded by a sovereign, his father, of like name. The omission of the Bactrian ruler Diodotus, whose independence of the Seleucid empire dates from about 250 B.C., confirms the inference that the edict is not long posterior to the year 258. Adopting 258–7 as its provisional date, and accepting the arguments which assign it to the fourteenth year, we arrive at 270 B.C. as the latest year for the coronation: but plainly nothing in the calculation forbids an earlier date. That the coronation was posterior by four years to the actual beginning of the reign is affirmed by the Ceylon tradition and perhaps also indirectly implied by the same: which would

[1] Found in 1915 at Maski in the Raichūr Dist. of Hyderābād; see *Hyderabad Arch. Series*, No. 1, 1915.

[2] *Mbh.* XII, 67, 39; cf. 57, 19. In the Kharoshthī documents from Chinese Turkestān *priyadarçana* is a common form of polite address; see *Kharoṣṭhī Inscriptions*, Part I, 1920, *passim*.

[3] *Les Inscriptions de Piyudasi*, II, pp. 227–8.

give the year 274 B.C. as the latest possible for Açoka's accession. But this may reasonably be suspected as an invention made in the interest of a chronological system[1]. A provisional chronological scheme of the reign might then take shape as follows:

274 B.C. at latest: accession.
270 B.C. at latest: coronation.
262 B.C. at latest: conquest of Kaliṅga and adhesion to Buddhism.
260 B.C. at latest: entry into the order of monks and beginning of active propaganda.
259 B.C. at latest: issue of first Edict (that of Sahasrām, Rūpnāth, Bairāt and Brahmagiri).
258-7 B.C. at latest: issue of the fourteen Rock Edicts; dedication of cave dwellings in the Barābar hills.
256 B.C. at latest: visit to Kapilavastu.
253 B.C.?: Council of Pāṭaliputra.
250 B.C. at latest: second visit to Kapilavastu and visit to the Lumbinī garden.
243-2 B.C. at latest: issue of Pillar Edicts.
237-6 B.C.?: death of Açoka (on the assumption that the reign lasted 36 or 37 years, as the Purāṇas and Pāli books affirm).

According to the Ceylon tradition the coronation of Açoka took place 218 years (i.e. in the 219th year) after the death of Buddha, and the Council in the 236th year. The tradition of Khotan on the other hand, as reported in Tibetan books[2], places the 50th year (out of 55) in the reign at an interval of 234 years from the *Parinirvāṇa*. The Chinese and Sanskrit reckonings are, as is well known, vitiated by confusion with another Açoka, Kālāçoka or Kākavarṇa of the Çiçunāga dynasty, who is placed one century after Buddha. The number 218 may very well be deserving of credit as a genuine tradition[3]; but it is of value for the determination rather of the date of Buddha than that of Açoka. A much discussed number 256 in the earliest edict has no bearing upon chronology[4].

The activity of Açoka lay wholly, so far as we are informed of it, in the sphere of *dharma*, i.e. according to the Indian definition, the sphere of conduct leading to heaven or to final liberation[5]; we may say, the spheres of religion and morality. It therefore furnishes a complement to the strictly political system of the

[1] A supposition broached and rejected by M. Senart, *op. cit.* II, pp. 237-8. But possibly Açoka may have been *de facto* ruler during the last years of Bindusāra, which may explain the extra three years assigned by the Buddhists to that king (*supra*, p. 495).

[2] Rockhill, *Life of the Buddha*, p. 233, and the Tibetan texts there named.

[3] Geiger's translation of the *Mahāvaṃsa*, Introduction, pp. xxxi sqq.

[4] F. W. Thomas, *Ind. Ant.*, 1908, pp. 19-23, and *Les Vivāsāḥ d'Açoka* (*Jour. As.*, Série x, xv, pp. 507-22).

[5] For the employment of the word by Açoka see Senart, *Les Inscriptions de Piyadasi*, II, pp. 308 f.

Arthaçāstra. We may consider it under the aspects of the emperor's principles and personal action, his admonitions, and his ordinances and institutions.

It was, as we have seen, the events of the Kaliṅga war that awoke the humanitarian and missionary spirit in Açoka. He was impressed both by the actual horrors of the campaign and by the interference with the peaceful and moral influence of the religious teachers. The chords which were struck have in Indian life a dominant note: Açoka attached himself to the Buddhist religion, the most important of those which upheld the doctrines of *ahiṃsā* and *maitrī*, abstinence from doing hurt to, and benevolent feeling towards, living creatures. Two and a half years later he awoke to the possibilities of his position, joined the order of monks, and entered upon a course of 'activity.'

The importance of energetic action by the sovereign was not a new conception; the Indian writers on policy make it the subject of constant admonition to their rulers (*v. sup.* p. 492). Nor was the idea of royal responsibility for the virtue of the people a novelty: the king is, as we have seen (*ibid.*), the upholder of *dharma* and incurs a proportion of the sin of the people, if he exacts the taxes without maintaining the social order. But Açoka gives to these principles a new force and direction by calling upon all to participate in his energy and by fixing attention upon moral improvement as a means to happiness in the present, and further in another, life. His position is therefore not merely paternal, as the books would require, and as he himself professes[1]: he has also a moral and religious responsibility and mission.

The degree of Açoka's appreciation of Buddhism is not very easily definable; and it was even at one time contended that his early faith, which laid such special stress upon the doctrine of benevolence, was rather that of Jainism. He emphasises the principle of tolerance, wishes for the real prosperity of all sects, and, while not discouraging discussion, always a prominent feature of Indian religious life, earnestly preaches avoidance of offence. If he discountenances what he considers vain ceremonials and certain popular entertainments, which were occasions of animal slaughter, his attitude to the Brāhman system in general is benevolent and respectful: he believes in the gods and would have his people strive for heaven. Nevertheless, Açoka was undoubtedly a Buddhist: he became a lay disciple and then a monk; later he

[1] Kaliṅga Edicts I and II.

proclaims his regard for the religion and his personal faith[1]; he addresses the church, naming certain passages from the scriptures as specially suitable for teaching and study; he denounces penalties for schism; he holds a council which defines the canon; and finally he stands out as by far the greatest author of the religious foundations of the sect. On the other hand we hear from him nothing concerning the deeper ideas or fundamental tenets of the faith: there is no mention of the Four Grand Truths, the Eightfold Path, the Chain of Causation, the supernatural quality of Buddha: the word and the idea of *Nirvāṇa* fail to occur; and the innumerable points of difference which occupied the several sects are likewise ignored. Açoka, therefore, is no theologian or philosopher; and only in the saying that the gift of *dharma* is above all other gifts, and in the preference of meditation to liberality, do we find any trace of such modes of thought.

Of Açoka's personal action the most important features were his religious tours and progresses, which began at the end of the eleventh year. They were the occasion of personal intercourse with the people, including discussions and instructions in religious matters. In the course of these, and on other occasions, he was wont to issue religious proclamations, which were published by his officials and inscribed on rocks and pillars. He claims that in little more than a year he had brought the Brāhman gods to the knowledge of those people in India, i.e. the wild tribes, who had formerly known nothing of them[2]. Further he organised shows and processions exhibiting figures of the gods in their celestial cars, of sacred elephants, and fires[3]. The practice of earlier times, which made the king accessible to the public only at certain hours, he modified to the extent of being ready to transact business or see officials even in his most private seclusion[4]. He subjected his household to supervision by special religious dignities: and finally he restricted the diet of the palace practically to the point of vegetarianism[5]. His activity in causing trees to be planted by the roads, and wells for travellers to be constructed at every half-koss, also his provision of medical aid for men and animals, and his propagation of useful plants, need not be further dwelt upon: only in degree were they a new feature of royal beneficence in India[6].

[1] Edict of Bhābrā (*prasāda* in Buddhist phraseology denotes 'faith').

[2] Edict of Sahasrām etc.

[3] Rock Edict IV.

[4] Rock Edict VI.

[5] Rock Edict I; Pillar Edict V.

[6] Bühler, *Z.D.M.G.*, XXXVII, pp. 101–2, and as regards trees, wells etc., cf. *Arthaçāstra*, 19.

Açoka's relations with the Buddhist *Saṅgha* were, no doubt, friendly and cordial. He had himself been ordained, as had his brother, and by the surrender of his son and daughter also he had acquired a right to the title 'Kinsman of the Faith.' But no doubt the monkish chronicles go too far in representing his devotion as without bounds. Even his lavish expenditure upon religious edifices is exaggerated in the statement that he thrice gave away, and purchased back, Jambu-dvīpa or the continent of India[1]! It can hardly be that an emperor so conscious of the responsibilities of his unique position should have been made more amenable to the authority of a religious order by himself joining it. Nor is there in his actual references to the *Saṅgha* any note of special deference; nor again do his ordinances accord to it any special regard, since the *parishads* whose affairs were to be supervised by the *dharma-mahāmātras* included the managing committees of all sects. On the other hand, we fail to detect even in the advice which Açoka gives to the *Saṅgha* concerning specially applicable passages from the scriptures any note of the arrogance which might have betrayed an emperor himself at home in the order. In fact such an attitude would be both un-Indian (as sanctity and learning in India excite a *genuine* respect) and anachronistic in what was still an age of faith. On the whole, easy as it would be to imagine flaws, one way or the other, in Açoka's relations with the clergy, it would be hard to demonstrate them to a sound intelligence: by his grasp of the essential he rises superior to such personal suspicions.

Of the Buddhist leaders with whom he is said to have been in correspondence the most important is Upagupta or Moggaliputta Tissa. This divine is reckoned as fifth in the succession of Vinaya teachers from the time of Buddha, the series being Upāli, Dāsaka, Sonaka, Siggava and Chaṇḍavajji, Moggaliputta Tissa[2]. Tissa was 60 years old at the time of Açoka's coronation, and he died 26 years later, being succeeded by Mahendra. Apart from the Kathāvatthu he is not known as an author, his great monument being the Third Council. A famous *stūpa* was built in his honour at Mathurā.

Mention has already been made of the missionary leaders,

[1] Hiuen Tsiang states that the fact was recorded in an inscription on the pillar at Pāṭaliputra (trans. Beal, II, p. 91).

[2] The identity of this Tissa with Upagupta was proved by Col. L. Waddell in the *Journal* (1897, pp. 76–84) and *Proceedings* (1899, pp. 70–5) of the Asiatic Society of Bengal. Concerning the succession see Geiger's translation of the *Mahāvaṃsa*, Introduction, pp. xlvii f.

whose activity is said to have followed upon the Third Council, and of Açoka's several relatives who joined the order (*v. sup.* p. 499). The Pāli books mention also a Mahāvaruṇa, and the two sons of Kuntī, Tissa and Sumitta, who are said to have died after Açoka's eighth year: they are not otherwise known.

The northern books[1] mention a minister Rādhāgupta, who is said to have played an important part in Açoka's attainment of sovereignty and his administration; and another minister, the Arhat Yaças, associated with the Khotan legend of Kustana. The existence of the minister Yaças seems deserving of credence as he is mentioned in the Sūtrālaṃkāra of Açvaghosha[2].

The moral exhortations which Açoka most frequently addresses to his people refer to the practice of simple virtues, namely proper treatment of slaves and servants, obedience to father and mother, generosity and respect to friends, companions, relations, ascetics, and Brāhmans, abstinence from cruelty to living creatures. For this imperial insistence upon such obvious duties we are right to demand some explanation; and we may perhaps find an explanation in his statement that there had been during a long period a deterioration in these respects[3]. Not to attribute to Açoka the character merely of a retrospective pessimism, we may think of the social and other changes which might naturally accompany the growth of a great empire, the succession of dynastic tragedies, the subjugation of small states, the Greek invasion, and the initiation of numerous sects. And, apart from the general responsibility of a paternal rule, he might have found even in the Arthaçāstra (19, p. 47) the principle that the royal authority should ensure the observance of proper discipline in the household, an obligation which even the modern state does not decline. As regards the aged and the poor, who are placed under the care of religious officials[4], we have seen that—in the absence of a 'poor law'—the care of such was a traditional obligation of royalty (*v. sup.* p. 487). These primary admonitions recur also in the latest of the edicts, as they had been prominent, along with the appeal for energy and mutual exhortation, in the earliest. But we hear also from the beginning of piety—friendship in piety, liberality in piety, kinship in piety—concord and the growth of sects in essential matters, in a word of religion, *dharma*, as something more than *çīla*, 'morality.' It was to be expected that with

[1] *Açokāvadāna* (= *Divyāvadāna*, XXIX) and *Kuṇālāvadāna* (= *ibid.* XXVII).
[2] Translated from the Chinese by E. Huber (Paris, 1908); see the Index.
[3] Rock Edict IV.
[4] Rock Edict V.

advancing years the religious feeling should acquire a stronger hold; whence we are not surprised to find in the later edicts a special exhortation to self-examination and the view that the chief thing is personal adherence to a man's adopted faith. In a country where during later ages the ecstatic, metaphysical, and fanciful aspects of religion have predominated, the sober Buddhist piety revealed in the edicts (and not uncommonly evidenced in the literature of Buddhism, both of the Great and Little Vehicles) deserves remark.

The measures, enactments, and institutions of Açoka need not more than moderately detain us. His philanthropic activity in providing wells and trees along the roads, in propagating medicinal plants, and in founding hospitals for men and animals—an activity not confined to his own dominions—and further his great rôle as propagator of his religion and pious founder, also his regulations concerning the slaughter and treatment of animals, have already received due notice. To the same sphere belong his rules concerning prisoners, the reservation of capital punishment, and the respite of the condemned during three days with a view to their spiritual welfare and edifying works.

The official system remained for the most part unchanged[1]. The presence of Açoka's envoys even as far as the various Greek kingdoms is plainly contemplated. The general term denoting the superior officials is *mahāmātra*, while the lower, especially the clerkly ranks, are entitled *yukta*. The highest local officers 'set over many hundreds of thousands of people'—corresponding no doubt to the *sthānikas* of the Arthaçāstra—are mentioned as *rājūkas*[2], and with them are associated *prādeçikas*, perhaps the *pradeshṭṛis* whose functions we have already defined. It is to these officers that a number of the edicts are addressed. They are exhorted to adopt towards the people under their charge the mild, patient, and benevolent principles of the emperor himself: they are compared to nurses entrusted with the charge of children. An institution several times referred to is the *anusaṃyāna*, or periodical tour, still a feature of Indian administration. This was not an innovation on the part of Açoka, but a part of the system which he inherited[3]. However, he added to the duties of the

[1] For a full discussion see Senart, *Les Inscriptions de Piyadasi*, II, pp. 278 f.

[2] Or *rajjugrāhakas*, as in the Pāli books = 'land-measurers,' the ἀγρονόμοι of Megasthenes, concerning whom *v. sup.* p. 417. Cf. Bühler, *Z.D.M.G.*, XLVII, pp. 466–71.

[3] This is implied by Açoka himself (Rock Edict III): cf. Bühler, *Z.D.M.G.*, XLI, p. 19.

touring officials, as early as his thirteenth year, that of following his own example in making their visitations the occasion of benevolent activity and religious propaganda. For this purpose, however, he himself organised a special ecclesiastical hierarchy of religious officers (*dharma-mahāmātra*), to whom these two functions were primarily assigned, and who moreover superintended the bounties of his own household, and those of his queens, his sons, and other relatives, and organised the activities of the committees and councils (*parishad*) at the head of the Buddhist, Jain, Ājīvika and other sects. The tolerance of all sects as regards liberty of residence in every district seems also to be a feature of Açoka's own conception, as it is opposed to the rule of the Arthaçāstra (19, p. 48).

Here we conclude our analytical appreciation of Açoka's rule. But the personality which in so un-Indian a fashion pervades the whole of his proclamations—a personality which in its rather high-strung, and by consequence partly plaintive, energy recalls another flawless imperial saint, the Roman Marcus Aurelius—can be communicated only in his own words: and we are therefore justified in citing two of his edicts, one a normal specimen of their tone, and the second the solemn review of his measures, which, published in the twenty-seventh year from his consecration, we have ventured to designate as 'the testament of Açoka.'

Rock Edict IV.

In the past, during many centuries, there has been steady growth in the practice of taking life, ill-usage of living creatures, misbehaviour among relatives, misbehaviour towards Brāhmans and ascetics. But now through the pious observance of king Piyadasi, dear to the gods, the signal of the drum has become a signal of piety, displaying to the people sights of celestial cars, sights of elephants, bonfires, and other heavenly shapes. In such wise as has not been before in many centuries, there has been at present, owing to the inculcation of piety by king Piyadasi, dear to the gods, growth in abstinence from taking life, in abstinence from ill-usage of living creatures, in proper behaviour towards relatives, proper behaviour towards Brāhmans and ascetics, obedience to mother and father, obedience to elders. In these and other manifold ways pious observance has grown, and this pious observance king Piyadasi, dear to the gods, will make still to grow. The sons, also, and grandsons, and great-grandsons of king Piyadasi, dear to the gods, will foster this pious observance until the end of time. Standing fast by piety and morality, they will inculcate piety. For this is the best action, inculcation of piety: pious observance, again, is not found in an immoral person. Hence in this respect also growth and no falling off is good. To this end has this been inscribed, that men may effect growth in this respect and that falling off may not be suffered. This has been inscribed by king Piyadasi, dear to the gods, having been consecrated twelve years.

PILLAR EDICT VII.

Thus says king Piyadasi, dear to the gods:

The kings who were in the past wished thus: 'How may the people grow with the growth of piety?' The people, however, did not grow with a proper growth in piety.

In this matter thus says king Piyadasi, dear to the gods:

This thought came to me: In the past the kings had this wish: 'How may the people grow with a proper growth in piety?' The people, however, did not grow with a proper growth in piety. Whereby then can the people be made to conform? Whereby can the people be made to grow with a proper growth in piety? Whereby can I elevate any of them by a growth in piety?

In this matter thus says king Piyadasi, dear to the gods:

This thought came to me, 'I will publish precepts of piety, I will inculcate instructions in piety: hearing these, the people will conform, will be elevated, and will grow strongly with the growth of piety.' For this purpose precepts of piety were published, manifold instructions in piety were enjoined, so that my officers in charge of large populations might expound them and spread them abroad. The governors also, in charge of many hundred thousand lives, they also were ordered, 'thus and thus catechise the persons of the establishment of piety.'

Thus says Piyadasi, dear to the gods:

With the same object pillars of piety were made by me, dignitaries of piety were instituted, precepts of piety were proclaimed.

Thus says king Piyadasi, dear to the gods:

On the roads also banyans were planted, to give shade to cattle and men: mango-gardens were planted: and at each half-koss wells were dug: also rest-houses were made: many watering-stations also were made in this and that place for the comfort of cattle and men. Little indeed is mere comfort: for with various gratifications the people have been gratified both by previous kings and by myself. But, that they might conform with a conformity in piety, for this reason was this done by me.

Thus says Piyadasi, dear to the gods:

Dignitaries of piety were appointed by me in charge of manifold indulgences, these both for ascetics and for householders; also over all sects were they appointed. Over the affairs of the Saṅgha also were they set, 'these shall be appointed'; likewise over Brāhmans, Ājīvikas also were they set, 'these shall be appointed.' Over Nirgranthas also were they set, 'these shall be appointed. Over various sects also were they set, 'these shall be appointed.' According to circumstances such and such dignitaries were set over such and such. Dignitaries of piety also were appointed over both these and all other sects.

Thus says king Piyadasi, dear to the gods:

These and various other classes were appointed in charge of the distribution of charity, both my own and that of the queens. And in my whole harem they carry out in manifold fashions such and such measures of satisfaction, both here and in all quarters. The same has been done as regards the distribution of charity on the part of my sons and the other princes, 'these shall be appointed over the distributions of charity,' with a view to ensamples of piety and for conformity to piety. For this is an ensample of piety and conformity to piety, when in the people compassion, liberality, truth, honesty, mildness, and goodness shall thereby be increased.

Thus says king Piyadasi, dear to the gods:

Whatsoever good deeds have been done by me, thereto the people have conformed, and those they copy. And thereby they have grown and will grow

in obedience to mothers and fathers, in obedience to venerable persons, in conformity to the old, in right behaviour towards Brāhmans and ascetics, the poor and wretched, slaves and servants.

Thus says king Piyadasi, dear to the gods:

This growth in piety is a growth in two respects, in the restraints of piety and in considerateness. Now of these restraint by piety is a little thing, but considerateness a greater. The restraint of piety is this, that I have had such and such creatures made exempt from slaughter, and there are other restraints of piety which have been ordained by me. But by considerateness there has been to a greater degree a growth in piety on the part of men, conducing to abstention from ill-usage to living creatures and to non-taking of life. This was done to this end, that sons and grandsons may continue therein as long as moon and sun endure, and that they may conform accordingly. For by so conforming this life and the future life are secured. This Edict of Piety was inscribed by me, when I had been six and twenty years consecrated.

Thus says the dear to the gods:

Where there are stone pillars or stone slabs, there this Edict of Piety is to be inscribed, that it may be permanent.

The dynastic successors of Açoka are by the Brāhman and Buddhist traditions diversely reported according to the following scheme:

Brāhman Sources.

A[1].

(Pargiter, *Dynasties of the Kali Age*, pp. 27–30.)

1. Kuṇāla or Suyaças, reigned 8 years.
*2. Bandhupālita, son of Kuṇāla, reigned 8 years.
*3. Indrapālita.
*4. Daçona, son of 3, reigned 7 years.
5. Daçaratha, son of 4, reigned 8 years.
6. Samprati or Saṅgata, son of 5, reigned 9 years.
*7. Çāliçūka, son of 6, reigned 13 years.
8. Devadharman or Devavarman or Somaçarman, son of 7, reigned 7 years.
9. Çatadhanvan or Çaçadharman, son of 8, reigned 8 years.
10. Bṛihadratha, reigned 7 years.

B.

(*Rājataraṅgiṇi*, I, 108 f.)

Jaloka in Kashmīr, son of Açoka.

Buddhist Sources.

A.

(*Divyāvadāna*, XXIX.)

1. Kuṇāla.
2. Samprati, son of 1.
3. Bṛihaspati, son of 2.
4. Vṛishasena, son of 3.
5. Pushyadharma, son of 4.
6. Pushyamitra, son of 5.

B.

(Tāranātha, *History of Buddhism*, trans. Schiefner, pp. 48 f.)

1. Kuṇāla.
2. Vigatāçoka.
3. Vīrasena.

[1] The names accompanied by an asterisk appear only in certain recensions of the Purānic list.

These meagre and conflicting lists are evidently no material for history: but they supply certain indications which may hereafter be verified. One of the Buddhist sources includes in the dynasty the name of Pushyamitra, really the founder of the succeeding line of the Çuṅgas: he was commander-in-chief to Bṛihadratha and he availed himself of a grand review of the army to overthrow and slay his master[1]. Lest this error of the Buddhists should lead us wholly to prefer the Brāhman accounts, let us observe that the latter differ in numerous particulars, some naming more kings than others, and all presenting diversities of spelling: moreover, none of them justifies in detail the total of 137 years which they unanimously ascribe to the whole Maurya dynasty.

The existence of some of the kings named in the list is avouched by independent evidence. Daçaratha is known by three inscriptions bestowing on the Ājīvika sect caves in the Nāgārjunī hills[2]: Samprati is mentioned in the Jain tradition as a convert of their patriarch Suhastin[3]. Jaloka is celebrated in the history of Kashmīr, as a great propagator of Çaivism and for a time a persecutor of the Buddhists, further as having freed the country from an invasion of Mlecchas, who would be Greeks, and a conqueror who extended his dominions as far as Kanyākubja or Kanauj.

The extreme confusion reigning in the legends is probably, as was indicated long ago, to be explained by a division of the empire, perhaps beginning after Samprati[4]. The Buddhists will then give the western line, as is indicated by the fact that Vīrasena is represented as ruling in Gandhāra[5] and further by the fact that Sophagasenus, or Subhăgasena, with whom Antiochus the Great renewed an ancestral friendship in 206 B.C.[6], is indicated by his name as a member of this line. This series will then have been terminated by the Greek conquest of the Punjab under Euthydemus and his successors. At Pāṭaliputra the second line may have held out a little longer, until about the year 184 B.C., when it was overthrown by Pushyamitra, whose power may have centred about Ujjain, and who, as is indicated in the drama of Kālidāsa called the *Mālavikāgnimitra*, succeeded to the struggle with the Greeks. But descendants of Açoka were as late as the

[1] Bāṇa's *Harshacharita* (trans. Cowell and Thomas), p. 193.
[2] *Corpus Inscriptionum Indicarum*, I, pp. 103–4, 134–5.
[3] See Jacobi's note in *S.B.E.*, XXII, p. 290 (*Kalpasūtra*).
[4] Lassen, *Ind. Alt.* II, pp. 283 ff.
[5] Tāranātha, *op. cit.* p. 50.
[6] Polybius, XI, 34; *v. sup.* Chapter XVII, p. 442.

seventh century A.D., if we may trust the statement of Hiuen Tsiang, still in possession of small dominions in eastern India: for he relates that shortly before his visit Pūrṇavarman, king of Magadha, a descendant of Açoka, had restored the Bodhi-tree, which had been destroyed by Çaçāṅka, otherwise named Narendragupta, of Karṇasuvarṇa, or Bengal[1].

[1] See the translations of Julien (I, pp. 463–4), Beal (II, p. 118), and Watters (II, p. 115).

CHAPTER XXI

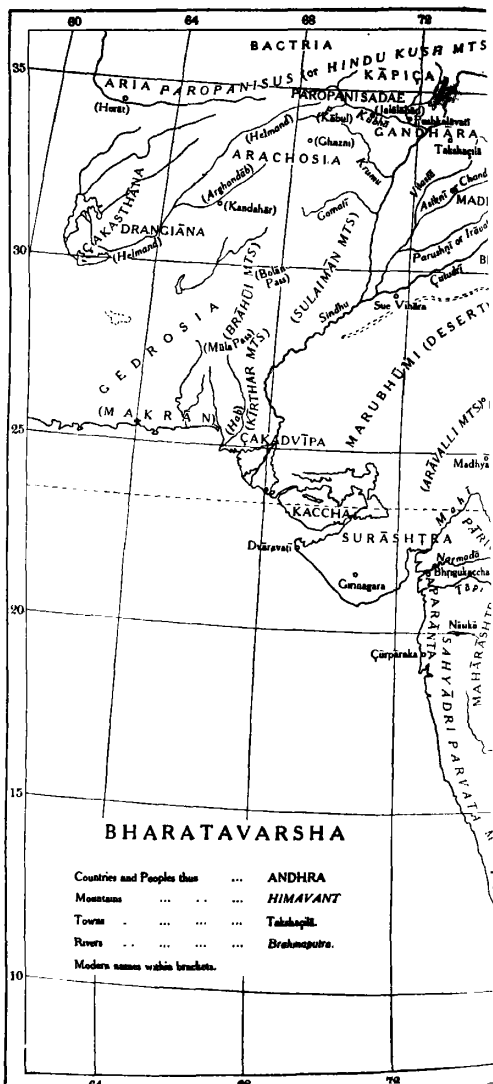
INDIAN NATIVE STATES AFTER THE PERIOD OF THE MAURYA EMPIRE

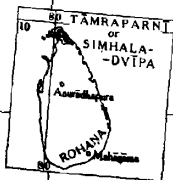
THE inscriptions of Açoka give us, for the first time in history, a comprehensive survey of India from the Hindu Kush to Ceylon; but it would be a mistake to assume that even Açoka, the most powerful of the Mauryas, maintained full political control over an empire of so vast an extent. His edicts clearly show that there were certain well-defined grades in the influence which he claimed to exercise in different regions. There were first of all 'the king's dominions,' by which we must no doubt understand the provinces of the empire—the central government of Pāṭaliputra (the United Provinces and Bihār) and the viceroyalties of Takshaçilā (the Punjab), Avanti or Ujjayinī (Western and Central India north of the Tāpti), and Kaliṅga (Orissa and the Ganjām District of Madras). Over all kingdoms and peoples in these provinces the emperor was supreme. He was the head of a great confederation of states which were united under him for imperial purposes, but which for all purposes of civil government and internal administration retained their independence. He was the link which bound together in association for peace or war powers which were the natural rivals of one another.

Beyond 'the king's dominions' to the north-west and to the south lay 'the border peoples,' whom the emperor regarded as coming within his sphere of influence. On the north-west, in the North-West Frontier Province and in the upper Kābul valley, these are called in the inscriptions Gandhāras, Kāmbojas, and Yavanas (Yonas); and on the south, beyond the limits of the provinces of Avanti and Kaliṅga, there were the Rāshṭrikas of the Marāthā country, the Bhojas of Berār, the Peṭenikas of the Aurangābād District of Hyderābād, the Pulindas, whose precise habitat is uncertain, and the Andhras, who occupied the country between the Godāvari and the Kistna.

Açoka's relations with these frontier peoples are most clearly indicated in the Jaugada version of the Kaliṅga edicts. It was addressed by him to the officers of state at Samāpā, no doubt the

MAP 5

BHARATAVARS

BACTRIA
HINDU KUSH MTS
KĀPIÇA
ARIA
PAROPANISUS
PAROPANISADAE
(Herāt)
(Kābul)
GANDHĀRA
Takshaçilā
(Helmand)
(Ghazni)
ARACHOSIA
Krumu
(Arghandāb)
(Kandahār)
Gomatī
ÇAKASTHĀNA
DRANGIĀNA
(Helmand)
MADI
(SULAIMĀN MTS)
(Bolān Pass)
Sindhu
Sue Vihāra
GEDROSIA
(BRĀHUĪ MTS)
(Mūla Pass)
(KĪRTHAR MTS)
MARUBHŪMI (DESERT)
(MAKRĀN)
(Hab)
ÇAKADVĪPA
(ARĀVALLI MTS)
Madhya
KACCHA
SURĀSHTRA
Dvāravatī
Girinagara
Narmadā
Bhrgukaccha
Tāpī
APARĀNTA
Çūrpāraka
SAHYĀDRI PARVATA
MAHĀRĀSHTRA
BHARATAVARSHA
Countries and Peoples thus ... ANDHRA
Mountains ... HIMAVANT
Towns ... Takshaçilā
Rivers ... Brahmaputra
Modern names within brackets.

Map 5
KARAKORAM MTS)
Sindhu
HIMAVANT (HIMĀLAYA MOUNTAINS)
KULŪTA
Çuludri
KUNINDA
Māyāpura
Hastināpura
Ahicchatra
PAÑCHĀLA
Mathurā
Kāmpilya
Çrāvastī
Kapilavastu
KOSALA
Yamunā
Gangā
Ayodhyā
Sadānīrā
VIDEHA
Vaiçālī
VATSA
Prayāga
Kauçāmbī
KĀÇĪ
Rājagṛha
Pāṭaliputra
ANGA
Brahmaputra
(Bhārhut)
PARVATA
MAGADHA
(Buddh Gayā)
(Eran)
VINDHYA
Vidiçā
VANGA
PUNDRA
SUHMA
SAMATATA
KALINGA
Mahānadī
Tosali
Samāpā
DAKSHINAPATHA
Godāvarī
ANDHRA
Dhānyakaṭaka
Krishnā
Kāñchī
CHOLA
Kāverī
PĀNDYA
CHERA
TĀMRAPARNĪ or SIMHALA-DVĪPA
Anurādhapura
ROHANA
Mahāgāma

city on the site of which the ruined fort of Jaugada in the Ganjām District now stands:

If you ask, 'With regard to the unsubdued borderers what is the King's command to us?' or 'What truth is it that I desire the borderers to grasp?'—the answer is that the King desires that 'they should not be afraid of me, that they should trust me, and should receive from me happiness, not sorrow.' Moreover, they should grasp the truth that 'the King will bear patiently with us, so far as it is possible to bear with us,' and that 'for my sake they should follow the Law of Piety, and so gain both this world and the next.' And for this purpose I give you instructions. (Kalinga Edict I, trans. V. A Smith, *Asoka*[2], p. 178.)

The emperor's attitude towards these neighbours is one of general benevolence. They are not his subjects: they are 'unsubdued'; but in the interests of peace and good government he is concerned in their welfare and their good conduct. He is prepared to bear with them patiently 'so far as it is possible': that is to say, he trusts that punitive expeditions or annexations may not be necessary.

The region occupied by the southern 'border peoples' includes what is now known to ethnologists as the Central Belt and still contains the largest groups of primitive tribes to be found in India. In the course of twenty-two centuries the policy of the government remains unchanged in regard to these representatives of the earliest inhabitants of the sub-continent. They continue to govern themselves in accordance with their traditional tribal constitutions and are subject only to such control as may be deemed to be indispensable:

The policy of the Government of India is to permit no sudden restrictions that may alter the accustomed mode of life of these tribes, but rather to win confidence by kindness, and thus gradually to create self-supporting communities, acknowledging the state as arbitrator of those questions hitherto decided by might rather than by justice. (*Imp. Gaz.* III, p. 124.)

Beyond the zones of border peoples lay realms of whose complete independence there is no question. On the north-west Açoka's sphere of influence ended at the frontiers of the Yavana king Antiochus, i.e. the Seleucid monarch Antiochus II Theos; and on the south it probably did not extend much beyond the locality of his southernmost group of inscriptions at Isila, the modern Siddāpura in the Chitaldroog District of N. Mysore. The apex of the peninsula was occupied by the ancient Dravidian kingdoms of the Sātiyaputas, the Chēras, the Chōḷas, and the Pāṇḍyas. With these independent nations Açoka's relations were merely such as might be expected to exist between friendly powers.

But, while the invaluable testimony of the edicts thus enables us to estimate the character and the extent of Maurya rule at its height, we have no such trustworthy guide for the period of its decline[1]. Its end, according to the Purāṇas, came about through a revolt which placed the Çuṅgas on the imperial throne. It seems certain, however, that the Çuṅgas succeeded to a realm already greatly diminished. The history of India at this time is still confined to the regions which were once known as 'the king's dominions' and 'the border peoples'; but these are no longer under the immediate rule or under the indirect control of any one power. Political conditions in the 2nd and 1st centuries B.C. were extremely complicated. The causes of this complication were twofold—internal strife and foreign invasions; and both of these were the natural and inevitable results of the downfall of imperial rule. In Central India and in the land of the Ganges the supremacy of the later Mauryas and of their successors, the Çuṅgas, was disputed by the Andhras of the Deccan and the Kaliṅgas of Orissa; and, now that the frontiers could no longer be held securely against hostile pressure from without, torrents of invasion burst into North-Western India through the channels which led from Bactria and from Eastern Irān.

The chief kingdoms of Northern India lay along the routes which connected Pāṭaliputra, the former capital of the empire, with the Kābul valley on the one hand and with the delta of the Indus on the other; and these routes were continuations of others which passed through Irān to the West. When, at the height of their power, the Maurya and the Seleucid empires were conterminous, intercourse by land between India and the Western World was unimpeded. But already during the reign of Açoka revolts in the Seleucid empire had led to the establishment of hostile powers in Bactria and Parthia, which controlled the two great lines of communication. The extension of the Yavana power from Bactria through the Kābul valley to the Jumna in the first quarter of the second century B.C., and the invasion, a century later, of the Çakas from Seistān into the country of the lower Indus (Çakadvīpa or Indo-Scythia), a position commanding the route through Central India, are described elsewhere[2]. The land-ways which united India with the West had thus become increasingly difficult from the middle of the third century to the early part of the first century B.C.; but by sea commerce was still maintained with Mesopotamia

[1] Chapter xx, pp. 511 ff. [2] Chapters xxii and xxiii.

(Babylon) and Egypt (Alexandria) through the Persian Gulf and the Red Sea; and the ports on the west coast were connected with Pāṭaliputra through Ujjayinī, the great emporium of the period. But the isolation of the sub-continent was now almost complete. The attempt to make India a great world power had failed; and its history now becomes a complex struggle within its own borders of elements both native and foreign, such as was to recur many centuries later on the downfall of the Mughal empire.

No detailed account of this period of turmoil can be written. All that we can attempt, with the aid of such fragments of historical evidence as have been preserved, is to disentangle the various elements involved in the struggle and to estimate their mutual relations. These may best be understood if we consider the means of communication then available.

Roads in the ordinary sense of the word did not exist; but there was a net-work of well-beaten routes throughout; and along these armies in war, like merchants and pilgrims in peace-time, made their way from one city to another[1]. Through this system ran the two great arteries which have been already mentioned. The chief stages on the more northern of these are described in Chapter xxii, p. 543, in connexion with the progress of the Yavana invasions. The course of the central route, which joined the northern route at Kauçāmbī, was as follows:

From	(1) Hyderābād in Sind to Ujjain (Ujjayinī)	500	miles.
„	(2) Broach (Bhṛigukaccha) N.E. to Ujjain	200	„
„	Ujjain E. to Besnagar (Vidiçā)	120	„
„	Besnagar N.E. to Bhārhut	185	„
„	Bhārhut N.E. to Kosam (Kauçāmbī)	80	„
„	Kosam E. to Benares (Kāçī)	100	„
„	Benares E. to Patna (Pāṭaliputra)	135	„

It is in the monuments and coins of the kingdoms of Vidiçā, Bhārhut, and Kauçāmbī that we find the most unmistakable traces of the Çuṅgas and their feudatories. That the first Çuṅga king reigned at Pāṭaliputra is assumed in literature (p. 518) and may be inferred from the description which the Purāṇas give of the origin of the dynasty. We are told that Pushyamitra, the commander-in-chief of Bṛihadratha, the last of the Mauryas, slew his master and reigned in his stead; and it was believed in the seventh

[1] For the military importance of this state of affairs which 'made the ordinary business of peace time a regular training for campaigning,' and which 'explains the extraordinary promptitude with which the wars of the Indian army have been so frequently entered on,' see Chesney, *Indian Polity*, Chapter xvii (quoted in *Imp. Gaz.* iii, pp. 402–3).

century A.D. that this military *coup d'état* took place on the occasion of a review of the forces[1]. If the chronology of the Purāṇas may be trusted, this event happened 137 years after the accession of Chandragupta, i.e. c. 184 B.C., and the reign of Pushyamitra lasted for thirty-six years[2]. Fortunately in this instance the statements of the Purāṇas may be checked to some extent by evidence supplied from other sources. The Çuṅgas came into conflict with other powers who were eager to share in the spoil of the Maurya empire—Andhras, Yavanas, and Çakas—and what we know of the history of these peoples is in accordance with the view that Pushyamitra was actually reigning during the period thus attributed to him.

The origin of the Çuṅgas is obscure. Their name, which means 'fig-tree,' may perhaps be tribal. According to Pāṇini (IV, 1, 117) they claimed to be descendants of Bharadvāja, the *purohita* of Divodāsa, king of the Tṛitsus (p. 82); and, as Bharadvāja is associated with Vītahavya[3] from whom the Vītihotras (p. 316) probably derived their name, the two peoples may have belonged to the same region, that is to say, to the countries which, under the Maurya empire, were included in the viceroyalty of Ujjain. It is with the kingdom of Vidiçā, which forms part of this region, that the Çuṅgas are especially associated in literature and inscriptions.

The dynastic list of the ten Çuṅga kings is as follows[4]:

1. Pushyamitra reigned	36 years.	6. Pulindaka reigned	3 years.
2. Agnimitra reigned	8 "	7. Ghosha reigned	3 "
3. Vasujyeshṭha (Sujyeṣṭha) r.	7 "	8. Vajramitra reigned	9 or 7 "
4. Vasumitra (Sumitra) reigned	10 "	9. Bhāga (Bhāgavata) reigned	32 "
5. Odraka (Andhraka etc.) r.	2 or 7 "	10. Devabhūti reigned	10 "

When allowance is made for the uncertainty as to the length of the fifth and eighth reigns and for the fact that the computation is by whole years without regard to fractions, the total duration ascribed to the dynasty, viz. 112 years, may well be correct; and, if so, the rule of the Çuṅgas came to an end c. 72 B.C.

In Buddhist literature Pushyamitra figures as a great persecutor of the Buddhists, bent on acquiring fame as the annihilator of Buddha's doctrine. He meditated the destruction of the Kukkuṭārāma, the great monastery which Açoka had built for 1000 monks to the south-east of Pāṭaliputra; but, as he approached the

[1] *Harshacharita* (trans. Cowell and Thomas), p. 193.

[2] The alternative statement of some versions, 'sixty years,' is manifestly due to textual corruption.

[3] *Vedic Index*, II, pp. 97–8, 316–7.

[4] Cf. *Kali Age*, pp. 30–3, 70.

entrance, he was met with the roar as of a mighty lion and hastily withdrew in fear to the city. He then went to Çākala (Siālkot) in the E. Punjab and attempted to exterminate the Buddhist community there, offering a reward of 100 *dīnāras* for the head of every monk. The end of this persecutor of the faith was brought about by superhuman interposition[1].

Underlying such legends we may no doubt recognise certain historical facts. Pushyamitra was regarded as a champion of the Brāhman reaction which set in after the triumph of Buddhism during Açoka's reign. He was remembered as a king of Magadha and as suzerain over dominions in the Punjab which had owned the sway of his Maurya predecessors. The subsequent fate of his chief capital, Pāṭaliputra, is obscure; but Çākala was soon—within his own lifetime as it would seem—to be wrested from the Çuṅgas by the Yavanas and to become the capital of king Menander (p. 549).

Some of the events of Pushyamitra's reign are also reflected in the earliest of Kālidāsa's dramas, the *Mālavikāgnimitra*, the plot of which turns on the love of Agnimitra, king of Vidiçā and the viceroy of his father Pushyamitra, for Mālavikā, a princess of Vidarbha (Berār) living at his court in disguise. The play was produced before another viceregal court at Ujjain on the occasion of the Spring Festival in some year c. 400 A.D. during the reign of Chandragupta II Vikramāditya. Like nearly all Sanskrit dramas, it is little more than a story of intrigue. Its main interest is anything but historical; but some of its characters represent real personages, and certain references to the history of the adjacent kingdom of Vidiçā are appropriately introduced in the last Act. It would be unreasonable to suppose that these had no foundation in fact.

The first of these references is to a war between Vidiçā and Vidarbha in which the former was victorious. As a result Vidarbha was divided into two provinces separated by the river Varadā, the modern Wardhā, which is now the boundary between Berār and the Central Provinces. It seems clear from what is known of the general history of this period that any such incursion of the Çuṅgas into this region must inevitably have brought them into collision with the Andhras, whose power had at this time extended across the Deccan from the eastern coast (p. 530). It has been assumed therefore with much probability that Yajñasena, the prince of Vidarbha in the play, must have been either an Andhra or a feudatory of the Andhras[2].

[1] *Divyāvadāna*, pp. 433–4.

[2] See Chapter XXIV, p. 600.

The other incidental reference in the *Mālavikāgnimitra* confirms the account of a Greek invasion of the Midland Country given by the Yuga Purāṇa and supported by statements which appear as grammatical illustrations in Patañjali's commentary on Pāṇini (p. 544). The Yavana successors of Alexander the Great in the Punjab had evidently forced their way through the Delhi passage and attacked the very centre of the Çuṅga dominions. In the play a messenger comes to Agnimitra with a letter from Pushyamitra announcing his intention to perform the horse-sacrifice, the traditional Kshatriya rite whereby a king asserted his title to exercise suzerainty over his neighbours. The horse, as was the custom, had been set free to roam whithersoever he would for a year as a challenge to all opponents; and he was guarded by Pushyamitra's grandson, Vasumitra, the son of Agnimitra, attended by a hundred princes. The challenge was accepted by a body of Yavana cavalry, who tried to capture the horse as he wandered along the right bank of the river Sindhu; and a conflict ensued in which the Yavanas were defeated by the Çuṅgas. Pushyamitra's claim was thus maintained; and he proposed to celebrate this triumph by the performance of the sacrifice which Agnimitra, as one of the monarchs of his realm, was invited to attend. An allusion to this sacrifice may perhaps be preserved in another grammatical example used by Patañjali[1]; and, as we have seen (p. 302), it is probably to the solemn recitation of the suzerain's lineage on such occasions that we owe the dynastic lists preserved in the Purāṇas.

Unfortunately we cannot be certain as to the river on whose banks the encounter between the Yavanas and the Çuṅgas took place; but the choice seems to lie between the Kālī Sindhu, a tributary of the Charmaṇvatī (Chambal) flowing within a hundred miles of Madhyamikā (near Chitor), which was besieged by the Yavanas (p. 544), and the Sindhu, a tributary of the Jumna which would naturally be passed by invading forces on the route between Mathurā (Muttra) and Prayāga (Allahābād).

Of Agnimitra nothing is known beyond such information as may be gleaned from the *Mālavikāgnimitra* and the Purāṇas. The combined evidence of these two sources may be interpreted to mean that, after ruling at Vidiçā as his father's viceroy, he was his successor as suzerain for a period of eight years. Whether the Agnimitra, whose coins are found in N. Pañchāla and who was therefore presumably king of Ahicchatra, can be identified with the Çuṅga king of that name is uncertain (p. 525; Pl. V, 3).

[1] Bhandarkar, *Ind. Ant.*, 1872, p. 300.

The fate of the fourth king in the list, Vasumitra or Sumitra, who as a youthful prince guarded the sacrificial horse and defeated the Yavanas, is told in the Harshacharita: 'Sumitra, son of Agnimitra, being over fond of the drama, was attacked by Mitradeva in the midst of actors, and with a scimitar shorn, like a lotus stalk, of his head'[1]. Who Mitradeva was we can only conjecture; but it seems not improbable that he may have been the king's minister and a Kaṇva Brāhman of the same family as Vasudeva, who is said to have brought about the fall of the dynasty through the assassination of the last king Devabhūti. It may be that we have here an indication of the growth of that influence, which so often in Indian history has transferred the real power in the state from the prince to the minister, from the Kshatriya to the Brāhman.

The next name in the list appears in many disguises in the MSS. as Odruka, Andhraka, Bhadraka, etc. Mr Jayaswal has given good reasons for supposing that the original form from which all these varieties are derived was *Odraka*, and he has shown further that this name is most probably to be restored in the Pabhosā inscr. no. 904, which should therefore be regarded as dated 'in the tenth year of Odraka.' If these acute and plausible suggestions may be accepted, we must conclude that the region of Pabhosā—the ancient kingdom of Kauçāmbī, as seems most likely (p. 524)—was included at this period in the sovereignty of the Çuṅgas; but at the same time we must recognise that an error has crept into the text of the Purāṇas, which, as they stand, assign either two or seven years to this king[2].

There appears to be no reason for doubting that the last king but one, the Bhāga or Bhāgavata of the Purāṇas, is the Bhāgabhadra, in the fourteenth year of whose reign the Besnagar column was erected by Heliodorus, son of Dion, the Yavana ambassador who had come to the court of Vidiçā from Antialcidas, king of Takshaçilā (p. 558). This identification enables us to bring the histories of the Çuṅgas and the Yavanas into relation with each other, and to determine, naturally within limits of possible error, a fixed point in their chronology. If the duration of reigns as given in the Purāṇas, confused though it is by textual corruptions, be approximately correct, the fourteenth year of king Bhāgabhadra (within a few years of 90 B.C., whether earlier or later) may well have fallen

[1] Trans. Cowell and Thomas, p. 192.

[2] Cf. Jayaswal, *Jour. of the Bihar and Orissa Research Soc.*, Dec. 1917, pp. 473–5, with Führer, *Ep. Ind.* II, pp. 240–3, and Pargiter, *Kali Age*, p. 31.

within the reign of Antialcidas, if, as seems not unlikely, he was the successor of Heliocles and came to the throne c. 120 B.C.[1]

The name of this Çuṅga king appears as Bhāgavata on a fragment of another column which was found at Bhīlsa, but which is supposed to have been taken there from Besnagar. The inscription was engraved when the king was reigning in his twelfth year[2]. Another king of the same name is known from the Pabhosā inscr. no. 905; but the two cannot be identified as their metronymics are different: the king at Pabhosā is the son of Tevaṇī, while the king at Vidiçā is the son of Kāçī, i.e. a princess from Benares.

With the assassination of the dissolute Devabhūti the line of the Çuṅgas comes to a close. Of the deed the Harshacharita gives a fuller account than the Purāṇas: 'In a frenzy of passion the over-libidinous Çuṅga was at the instance of his minister Vasudeva reft of his life by a daughter of Devabhūti's slave woman disguised as his queen' (Trans. Cowell and Thomas, p. 193). This minister was a Kaṇva Brāhman; and the Purāṇas, in their present form, make him the founder of a line of Kaṇva kings, who were themselves succeeded by the Andhras. But, as we have seen (pp. 317–8), this is history distorted. The Purāṇas have been edited, and, in the process, much of their value as records has been destroyed. Certain incidental statements, however, have escaped the editor; and these seem to show that the Kaṇvas and the Çuṅgas were contemporary. The Kaṇvas, who are expressly called 'ministers of the Çuṅgas,' are, in some versions, said to have become kings 'among the Çuṅgas'[3]; and, as has been observed already, the Andhras are credited with sweeping away not only the Kaṇvas, but also 'what was left of the Çuṅgas' power' (*ibid.*). With regard to the Andhras, the more certain evidence of inscriptions assigns them to a period which is in flagrant contradiction to the position which they occupy in the Purāṇas (p. 530).

We may conclude, then, that the Çuṅgas were a military power, and that they became puppets in the hands of their Brāhman counsellors. They ruled originally as feudatories of the Mauryas at Vidiçā, the modern Besnagar, on the Vetravatī (Betwa), near Bhīlsa and about 120 miles east of Ujjain. In the letter, which is read in the last Act of the *Mālavikāgnimitra*, both Pushyamitra

[1] See Chapters XVII, p. 461 and XXII, p. 559.

[2] B. D. Bhandarkar, *Arch. Sur. of Ind., Annual Report*, 1913–4, p. 190; Ramaprasad Chanda, *J.R.A.S.*, 1919, p. 896; *Memoirs of the Arch. Sur. of Ind.*, 1920 (no. 5), p. 152.

[3] *Kali Age*, pp. 34, 71.

and Agnimitra are 'of Vidiçā'; and Vidiçā remained their western capital after no small portion of the Maurya empire had fallen into their hands, and many, perhaps most, of the kings of Northern and Central India had become their feudatories.

The importance of Vidiçā, the chief city of Ākara or Daçārṇa (E. Mālwā), was due to its central position on the lines of communication between the seaports of the western coast and Pāṭaliputra, and between Pratishṭhāna (Paithan), the western capital of the Andhras on the S.W., and Çrāvastī (Set Mahet) on the N.E. The ancient monuments in its neighbourhood are among the most remarkable and extensive to be found in India. At various villages within a radius of about twelve miles of the present town of Bhīlsa there are groups of Buddhist *stūpas*, numbering some sixty in all, which are known collectively as the Bhīlsa Topes, and of which the most celebrated are those of Sānchī. The inscriptions as well as the style of the architecture and sculpture of these monuments show that they belong to the three successive periods of Maurya, Çuṅga, and Andhra supremacy. But the importance of this region may be traced back to a still earlier date; for at the ancient site of Eran, about forty miles N.E. of Bhīlsa, are found the finest specimens of the early punch-marked coinage, and here too was discovered the earliest known example of an Indian inscribed coin, which records the name of a king Dharmapāla (Pl. V, 1). Its Brāhmī legend runs, like Kharoshṭhī, from right to left, and was supposed by Bühler to represent an earlier stage in the history of this alphabet than that which appears in the edicts of Açoka[1].

Some of the feudatories of the Çuṅgas are known from their inscriptions and coins. The only ancient monuments, on which the tribal name of the imperial dynasty has yet been found, came from the Buddhist *stūpa* at Bhārhut, in the Nāgod State of Central India, about 185 miles N.E. of Vidiçā[2]. Here two gateways were dated 'in the sovereignty of the Çuṅgas.' One of these (inscr. no. 687) was erected by Dhanabhūti 'Vācchiputa,' i.e. 'son of a princess of Vatsa (Kauçāmbī),' and the other (inscr. no. 688) by some member of the same family. The name Dhanabhūti occurs also in an inscription at Mathurā (no. 125) and may be restored with certainty in the record of a donation made by his queen, Nāgarakhitā, at Bhārhut (no. 882). From these sources combined we may reconstruct the family tree of this king from his grandfather, king Visadeva, to his son, prince Vādhapāla; and we may conclude that this family ruled at Bhārhut, and that it was connected in some

[1] *Indische Palaeographie*, p. 8. [2] Chapter XXVI, p. 624.

way with the royal family at Mathurā, more than 250 miles to the N.W. As none of the four names is found in the list of Çuṅgas given by the Purāṇas, it is most probable that the kings of this line were feudatories, though they may have been related to the imperial house by family ties.

Acting on Mr Jayaswal's illuminating suggestion (p. 521), we may perhaps venture to trace the feudatory kings of this dynasty to Kauçāmbī, 80 miles N.E. of Bhārhut, and to Ahicchatra, 250 miles N.W. of Kauçāmbī. The question of the site of Kauçāmbī has been much debated, chiefly because of the impossibility of reconciling Cunningham's identification (Kosam on the Jumna in the Allahābād District of the United Provinces) with the descriptions of Chinese Buddhist pilgrims. But in all this controversy it seems to have been forgotten that such descriptions may either have been incorrect originally or may have been misinterpreted subsequently. The tangible facts seem undoubtedly to support the identification of Kosam with Kauçāmbī. It must have been a city of great military strength. 'The remains at Kosam include those of a vast fortress with earthern ramparts and bastions, four miles in circuit, with an average height of 30 to 35 feet above the general level of the country' (*Imp. Gaz.* XV, p. 407). It was also an important commercial centre, as is indicated by the extraordinary variety of the coins found there; and at a later date the name of the place was unquestionably Kauçāmbī, as is proved by at least two inscriptions which have been actually discovered on the site[1]. At a distance of two or three miles to the north-west of Kosam stands the sacred hill of Pabhosā (Prabhāsa), the solitary rock in this region of the doab between the Jumna and the Ganges; and on its scarp, in a position wellnigh inaccessible, there is a hermit's cave 'cut into the vertical face of a precipice 50 feet high' (*J.A.S.B.* LVI, p. 31). In the seventh century A.D. it was believed to be the abode of a venomous dragon which was subdued by the Buddha, who left his shadow in the cave. Hiuen Tsiang, who tells the story, adds that the shadow was no longer visible in his day; but the most recent editor of the inscriptions, which are engraved inside and outside the cave, informs us that the country folk still believe in the dragon[2]. One of these inscriptions (no. 904) records—if Mr Jayaswal's reading is correct—that the cave was excavated in the tenth year of the reign of Odraka, the fifth of the Çuṅga kings. The donor was Āshāḍhasena, the maternal uncle of Bahasatimitra,

[1] *J.R.A.S.*, 1898, p. 504; *Ep. Ind.* II, p. 244.

[2] Watters, *On Yuan Chwang*, I, p. 371; Führer, *Ep. Ind.* II, p. 241.

who was presumably the feudatory king then ruling at Kauçāmbī and whose coins (Pl. V, 2) are found at Kosam. Bahasatimitra was thus, it seems, contemporary with Odraka, whose reign, according to the Purāṇas, began 61 years after the accession of the first Çuṅga king, i.e. c. 123 B.C.; and this date is in agreement with the period to which numismatists have, from entirely different considerations, assigned the coins of Bahasatimitra. The coinage of the kings of Kauçāmbī seems to begin in the third century B.C. and to extend over a period of about three hundred years[1].

The donor of the cave at Pabhosā traces his descent from the kings of Ahicchatra, the northern capital of the Pañchālas in the Bareilly District; and the inscriptions give the genealogy of his family for five generations beginning with his great-grandfather, Çonakāyana, and ending with his nephew, Bahasatimitra. The line is carried two stages farther by the Morā inscription which describes the daughter of Bahasatimitra (Bṛihāsvātimitra) as the wife of the king (of Mathurā) and 'the mother of living sons' (*J.R.A.S.* 1912, p. 120). In the patronymic, Çonakāyana, 'the scion of the house of Çonaka,' we may perhaps see an allusion to the glories of Pañchāla in the heroic age, when, as is recounted in one of the ancient verses preserved by the Çatapatha Brāhmaṇa, king Çoṇa Sātrāsāha celebrated his triumphs by the performance of the horse-sacrifice[2]. No detailed list of the earlier historical kings of Pañchāla occurs in the Purāṇas; but coins found in the neighbourhood of Ahicchatra—now a vast mound three and a half miles in circumference on the north of the village of Rāmnagar—have preserved the names of about a dozen of their successors in the Çuṅga period[3]. Among the kings thus known there appears an Agnimitra (Pl. V, 3), who has often been supposed to be identical with the second Çuṅga king. There seems to be no evidence at present either to prove or to disprove the suggestion. The identity of name may well be accidental, or, perhaps more probably, it may indicate that the royal families of Vidiçā and Ahicchatra were related. The name of another king of Ahicchatra, Indramitra, has been recognised in an inscription at Buddh Gayā (p. 526; Pl. V, 4).

We may infer from the inscriptions at Pabhosā that, in the second century B.C., Pañchāla (Ahicchatra) and Vatsa (Kauçāmbī) were governed by branches of the same royal family, and that both

[1] Cunningham, *Coins of Ancient India*, p. 73, Pl. V, 7–18; Rapson, *Indian Coins*, pp. 12, 13.

[2] *Vedic Index*, II, p. 395.

[3] Cunningham, *Coins of Ancient India*, p. 79, Pl. VII; Rapson, *Indian Coins*, p. 13.

kingdoms acknowledged the suzerainty of the Çuṅgas. The history of Kauçāmbī may be traced back to the time when the Pūrus (Kurus) removed thither after their capital, Hastināpura, had been destroyed by an inundation of the Ganges[1]. We now find this city under the rule of a house in which Kurus and Pañchālas had no doubt long been merged.

Mathurā (Muttra) on the upper Jumna, about 270 miles in a straight line N.W. of Kauçāmbī, may perhaps have been another of the feudatory kingdoms. This sacred city, the Μόδουρα ἡ τῶν Θεῶν of Ptolemy (VII, 1, 50), was a stronghold both of the worship of Kṛishṇa and of Jainism; and it was the capital of the Çūrasenas, one of the leading peoples of the Midland Country. Its earlier rulers find a place in the Purāṇas, but only in the general summary of those dynasties which were contemporary with the Pūrus (p. 316); and coins have preserved the names of at least twelve later kings who reigned during the Çuṅga period[2]. One of these, Balabhūti, is associated by the style and type of his coinage with Bahasatimitra of Kauçāmbī, whose daughter was married to a king of Mathurā (p. 525). The two kings were almost certainly ruling at about the same time; and it seems reasonable to assume, in the absence of any evidence to the contrary, that they were both feudatories of the Çuṅgas. Another king of Mathurā, Brahmamitra (Pl. V, 6) was probably contemporary with king Indramitra of Ahicchatra (Pl. V, 4); for both names are found in the dedicatory inscriptions of queens on pillars of the railing at Buddh Gayā, which is assigned by archaeologists to the earlier part of the first century B.C. (p. 626).

Inscriptions show that in the second half of the first century B.C. the region of Mathurā had passed from native Indian to foreign (Çaka) rule[3]; and their evidence is confirmed and amplified by that of the coins. The characteristic type of the kings of Mathurā is a standing figure, which has been supposed to represent the god Kṛishṇa (Pl. V, 5, Gomitra); and this type is continued by their conquerors and successors, the satraps of the Çaka King of Kings. Rañjubula (Rājuvula) and his son Çoḍāsa (Pl. V, 9, 10) are known also from inscriptions; and the date on the Āmohinī votive tablet, if it has been rightly interpreted, shows that the latter was ruling as great satrap in 17–6 B.C. (pp. 575–6). Çoḍāsa was preceded by his father, Rañjubula, who ruled first as satrap and afterwards as

[1] Chapter XIII, p. 308.
[2] Cunningham, *Coins of Ancient India*, pp. 85–90, Pl. VIII; Rapson, *Indian Coins*, p. 13; *J.R.A.S.*, 1900, pp. 109–11.
[3] See Chapter XXIII, pp. 575–6.

great satrap; and Rañjubula appears to have been the successor of satraps who are known only from their coins—Hagāmasha (Pl. V, 7), and Hagāna ruling conjointly with Hagāmasha (Pl. V, 8). These numismatic indications all tend to support the conclusion that by about the middle of the first century B.C. the Çaka dominion was fully established in that region of the Jumna river which lies beyond the south-eastern limits of the Punjab.

By c. 72 B.C., according to the chronology of the Purāṇas, the dynasty of the Çuṅgas had come to an end. In the present state of Indian archaeology it seems impossible to trace the extension of the rule of those kings of Vidiçā who reigned after Pushyamitra beyond the region in which the Jumna and the Ganges meet, i.e. the ancient kingdom of the Vatsas (Kauçāmbī) and the present district of Allahābād. The investigation of ancient sites may no doubt some day throw light on the contemporary history of the countries which lay to the north and east of Kauçāmbī—Kosala (Oudh), Videha (N. Bihār), Kāçī (Benares), Magadha (S. Bihār), and Aṅga (Monghyr and Bhāgalpur); but the available evidence is not sufficient to enable us to determine whether the kingdoms in these countries were still united under one sovereignty, as in the time of Açoka, or whether they had become independent. Kosala is represented by coins of this period which are found on the site of Ayodhyā; but from these little information can be gleaned at present. They represent a line of about ten kings, of whom nothing is known but their names (Pl. V, 11, Āryamitra; 12, Mūladeva)[1]. A king of Magadha and a king of Rājagṛiha are also mentioned in the inscription of Khāravela; but whether the former was still a powerful suzerain at this time, and whether the latter was anything more than a local prince ruling over the old capital of Magadha must remain doubtful until more definite evidence can be discovered (p. 537). The history of the famous kingdom of Magadha, once the centre of the empire, becomes utterly obscure. That for some time Pushyamitra continued to occupy the imperial throne which he had seized is a natural inference from those passages of the literature in which he is mentioned in connexion with Pāṭaliputra; but that he was able to hold it to the end, and to hand it down to his successors is at present not capable of proof. No certain traces of the later Çuṅgas or of their feudatories have yet been found in the region of Magadha.

[1] Cunningham, *Coins of Ancient India*, p. 90, Pl. IX; Rapson, *Indian Coins*, p. 11; *J.R.A.S.*, 1903, p. 287.

But in addition to the powers which dominated the kingdoms on the great highways of communication, there were in less accessible regions numerous independent states; and of some of these the coins of this period have preserved a record. These communities were military clans or groups of clans; and they were governed sometimes by kings, but more often by tribal oligarchies. They were Kshatriyas; and by this name, the common designation of them all, they are known to the historians of Alexander the Great in two districts—in the north of the Punjab to the east of the Rāvi (p. 371), and in the south-west where the Indus and the Sutlej meet (Xathri, p. 376). They were the ancestors of the Rājputs who played a most important part in the history of Northern India at a later date, and their coins are found throughout the regions to which modern ethnologists trace the origin of the Rājputs:

The cradle of the Rājput is the tract named after him (Rājputāna), not, however, as it is limited in the present day, but extending from the Jamnā to the Narbadā and Satlaj, including, therefore, the whole of Mālvā, Bundelkhand, and parts of Agra and the Panjāb. From the northern parts of this tract there seems to have been an early movement of conquest up the western rivers of the Panjāb, as far as the Himālaya and Kashmir, whereby was laid the foundation of the predominance of the tribes still in possession. (Baines, *Ethnography*, p. 29.)

Examples of such early Rājput states are the Yaudheya confederation in 'the southern portion of the Punjab...and the northern parts of Rājputāna' (*J.R.A.S.*, 1897, p. 887), and the Ārjunāyanas in the Bhartpur and Alwar States of Rājputāna (*ibid.* p. 886). Both the Yaudheyas, 'Warriors,' and the Ārjunāyanas, 'Descendants of Arjuna,' are mentioned by Pāṇini in the fourth century B.C.; both issued coins as early as the first century B.C.; and both appear among the peoples on the frontiers of the Gupta empire in the Allahābād inscription of Samudragupta c. 380 A.D. Other states struck coins with the bare legend 'Of the Rājanya (Kshatriya) Country.' It is impossible at present to determine with much precision the localities in which these coins were issued; but similarity of type suggests that one variety may belong to the same region as the coins of the Ārjunāyanas and the kings of Mathurā (Pl. V, 13)[1].

The mountainous fringe of country on the north of the Punjab and the United Provinces was also occupied at this period by independent native Indian states; and the names of some of them have similarly been preserved by the coins, which were no doubt the result of commerce between these peoples of the hills and the lowlanders. In the Gurdāspur District of the Punjab there lived the

[1] Rapson, *Indian Coins*, pp. 11-13, and Pll. III, 20 and IV, 1.

Udumbaras, who claimed to be descended from Viçvāmitra, the rishi of the third book of the Rigveda[1]. His figure appears on the coins of their king, Dharāghosha, whose reign must probably be assigned to the latter half of the first century B.C., since his coinage is evidently imitated from that of the Çaka king Azilises (Pl. V, 14, Dharāghosha; 15, Azilises). Of a somewhat later date, perhaps of the first or second century A.D., are the coins of the Kulūtas, the eastern neighbours of the Udumbaras, in the Kulū valley of the Kāngra District; and to the same period as the coins of the Udumbaras belong the earlier issues of the Kuṇindas who inhabited the country of the Sutlej in the Simla Hill States (Pl. V, 16, Amoghabhūti). These three peoples, the Udumbaras, the Kulūtas, and the Kuṇindas, lived on the border between the regions in which the two ancient alphabets, Brāhmī and Kharoshṭhī, prevailed: they accordingly used both of them in their coin-legends. To a branch of the Kuṇindas (or Kulindas, as they are called in the Purāṇas), whose territories 'extended further east along the southern slopes of the Himalayas as far as Nepal' (Pargiter, *Mārk. Pur.* p. 316), are probably also to be attributed the coins of two kings which have been found in the Almora District (Pl. V, 17, Çivadatta)[2].

The 'unsubdued' peoples on the southern borders of the Maurya dominions were, during the Çuṅga period, united under the suzerainty of the most powerful among them, the Andhras, whose home was in the coastal region of the Madras Presidency between the rivers Godāvari and Kistna[3]. The dynasty, which is known by its tribal name in the Purāṇas and by its family name or title, Çātavāhana, in inscriptions, is traced back to king Simuka, who was succeeded by his younger brother, Kṛishṇa. At some date in the reign of Simuka or Kṛishṇa the Andhra conquests had extended up the valley of the river Godāvari for its whole length, a distance of some nine hundred miles, to the table-land of the Nāsik District. This is proved by the inscription (no. 1144) in one of the Nāsik caves which was excavated when Kṛishṇa was king. Already the Çātavāhanas had justified their claim to the title, 'Lords of the Deccan (Dakshiṇāpatha),' which they bear in their later inscriptions. The third of the line and the best known of the earlier kings was

[1] Cf. Pargiter, *Mārk. Pur.* p. 355. For the connexion between Viçvāmitra and the country of the Beās, see *Vedic Index*, II, p. 310.

[2] For the coins of Kulūta, see Bergny, *J.R.A.S.*, 1900, p. 415; for other coins mentioned in this paragraph see the references in Rapson, *Indian Coins*, pp. 10–12.

[3] See Chapter XXIV, pp. 598–9. The inscriptions from Bhattiprolu near the mouth of the Kistna in the Guntūr District (c. 200 B.C.) mention a king Khubiraka or Kubiraka (Kuvera) who is otherwise unknown; see Bühler, *Ep. Ind.* II, pp. 323 ff.

called Çātakarṇi, a name which, to the perplexity of modern students of Indian history, was borne by several of his successors on the throne.

The exact date of the establishment of the Andhra suzerainty cannot be determined from the discrepant accounts given by different Purāṇas of the kings and the duration of their reigns; but it is clear that the most complete of the extant lists can only be interpreted as indicating that the founder, Simuka, began to reign before 200 B.C.[1] To this extent the evidence of the Purāṇas confirms the opinion of Bühler, who from epigraphical considerations assigned the Nāsik inscription of the second king, Kṛishṇa, to 'the times of the last Mauryas or the earliest Çuṅgas, in the beginning of the second century B.C.'[2] It is therefore possible that Kṛishṇa's immediate successor, the third Andhra king, Çātakarṇi, may have been contemporary with the first Çuṅga king, Pushyamitra (c. 184–148 B.C.). As we shall see (p. 535) this same Çātakarṇi was probably also contemporary with Khāravela, king of Kaliṅga.

For the history of this period the cave-inscriptions of Nānāghāt (nos. 1112–20) are of the highest importance. They prove by their situation that the Andhras now held the Nāna pass, which leads from Junnar in the Deccan to the Konkan, the coastal region of Western India. Most of them describe statues of members of the royal family—Simuka, the founder of the line, Çātakarṇi himself and his queen Nāganikā, a Mahārathi, and three princes. But most valuable of all is the inscription, unfortunately fragmentary, of the queen (no. 1112). She was the daughter of a Mahārathi, i.e. a king of the Rāshṭrikas; and we must conclude therefore that the incorporation of the Marāthā country in the Andhra empire had been ratified by a matrimonial alliance between the two royal houses. The inscription records the performance of certain great sacrifices and the fees paid to the officiating priests—fees which testify eloquently to the wealth of the realm and to the power of the Brāhman hierarchy at this date—tens of thousands of cows, thousands of horses, numbers of elephants, whole villages, and huge sums of money (tens of thousands of *kārshāpaṇas*). Twice, it appears, had Çātakarṇi proclaimed his suzerainty by the perform-

[1] The accession of the twenty-third king, Gautamīputra Çātakarṇi, must be dated 106 A.D. or a few years later; see Rapson, B.M. Cat., *Coins of the Andhra Dynasty &c.*, p. xxx. If a calculation be made from this fixed point, the maximum readings of the Purāṇas would indicate c. 244 B.C., and the minimum readings c. 202 B.C., as the date of Simuka's accession; cf. *Kali Age*, pp. 38–42, 71, with B.M. Cat., pp. lxvi, lxvii.

[2] *Arch. Sur. West. Ind.* IV, p. 98.

ance of the horse-sacrifice; and, on one of these occasions at least, the victory thus celebrated must have been at the expense of the Çuṅgas, if we are right in supposing that the appearance of the Andhras of Southern India in the dynastic lists of the Purāṇas indicates that, at some period, they held the position of suzerains in Northern India (p. 318). That the Andhras did actually come into conflict with the Çuṅgas during the reign of Pushyamitra appears probable from the *Mālavikāgnimitra* (p. 519). On this occasion the Çuṅgas were victorious; but this was no doubt merely an episode in the struggle in which the Andhras were finally triumphant. The progress of this intruding power from its western stronghold, Pratishṭhāna, first to Ujjayinī and subsequently to Vidiçā seems to be indicated by the evidence of coins and inscriptions.

Pratishṭhāna, the modern Paithan on the north bank of the Godāvari in the Aurangābād District of Hyderābād, is famous in literature as the capital of king Çātakarṇi (Çātavāhana or Sālivāhana) and his son Çakti-kumāra; and there can be little doubt that these are to be identified with the king Çātakarni and the prince Çakti-çrī of the Nānāghāt inscriptions. The Andhras in this region were separated by the rivers Tāpti and Narbadā from the kingdoms of Ujjayinī and Vidiçā, which lay along the central route from the coast to Pāṭaliputra; and the lines of communication between Pratishṭhāna and these kingdoms passed through the city of Māhishmatī (Mandhāta on the Narbadā in the Nimār District of the Central Provinces). Numismatic testimony, if it has been rightly interpreted, shows that at this period the Andhras had traversed the intervening territories and conquered the kingdom of Ujjayinī. Their earliest known coins bear the name of a king Sāta, who is probably to be identified with Çātakarṇi; and they are of what numismatists call the 'Mālwā fabric' and of that particular variety which is characteristic of the coins of W. Mālwā (Avanti), the capital of which was Ujjayinī[1]. If we may suppose, then, that Çātakarṇi was the actual conqueror, his performance of the horse-sacrifice is evidently explained; for Ujjayinī was one of the most famous of all the cities of India, and its conquest may well have entitled the Andhra kings to a place in the imperial records preserved by the Purāṇas. It was, and still is, one of the seven holy places of Hinduism[2]. Such fragments of its ancient

[1] Rapson, B.M. Cat., *Coins of the Andhra Dynasty &c.*, p. xcii.

[2] The seven are recorded in the couplet:
Ayodhyā, Mathurā, Māyā, Kāçi, Kāñci, Avantikā,
purī Dvāravatī caiva, saptaitā mokṣadāyikāḥ.

history as may be recovered from the past are given elsewhere[1]; and the indigenous coins which can be attributed to this period add little to our knowledge. The only inscribed specimen yet discovered bears the name of the city in its Prākrit form, *Ujeni* (Pl. V, 18). Other coins have a type which has been supposed to represent the god Çiva (Pl. V, 19), whose temple stood in the Mahākāla forest to the north of the city. It was destroyed by the Muhammadans in the thirteenth century A.D., and the present temple was built on its site.

It appears most likely, then, that Ujjayinī was wrested from the first Çuṅga king, Pushyamitra, by Çātakarṇi. Of its history for many years to come we have no information. We can only infer from the conditions of the time that its politics cannot have been dissevered from those of the neighbouring kingdom of Vidiçā; and early in the first century, c. 90 B.C., we find evidence of the existence of diplomatic relations between Vidiçā, which was still under the rule of the Çuṅgas, and the Yavana house of Eucratides at Takshaçilā in the north-west of the Punjab (p. 521). There were therefore at this period three powers which were politically important from the point of view of Ujjayinī—the Yavanas in the north, the Çuṅgas on the east, and the Andhras of Pratishṭhāna in the south; and it is probable, in the absence of any evidence to the contrary, that Ujjayinī remained in the possession of the last of these. But a few years later, c. 75 B.C., there arose another formidable power on the west. The Scythians (Çakas) of Seistān had occupied the delta of the Indus, which was known thereafter to Indian writers as Çakadvīpa, 'the doāb of the Çakas,' and to the Greek geographers as Indo-Scythia. The memory of an episode in the history of Ujjayinī as it was affected by this new element in Indian politics may possibly be preserved in the Jain story of Kālaka, which is told in Chapter VI, pp. 167–8. The story can neither be proved nor disproved; but it may be said in its favour that its historical setting is not inconsistent with what we know of the political circumstances of Ujjayinī at this period. A persecuted party in the state may well have invoked the aid of the warlike Çakas of Çakadvīpa in order to crush a cruel despot; and, as history has so often shown, such allies are not unlikely to have seized the kingdom for themselves. Both the tyrant Gardabhilla, whose misdeeds were responsible for the introduction of these avengers, and his son Vikramāditya, who afterwards drove the Çakas out of the realm, according to the story, may perhaps be

[1] Chapters VII, pp. 185–7; XIII, pp. 310–1.

historical characters; and, from the account which represents Vikramāditya as having come to Ujjayinī from Pratishṭhāna, we may infer that they were connected with the Andhras[1]. It is possible that we may recognise in this story the beginnings of that long struggle between the Andhras and the Çakas for the possession of Ujjayinī, the varying fortunes of which may be clearly traced when the evidence of inscriptions becomes available in the second century A.D.[2] With the imperfect documents at our disposal, we can do little more than suggest such possibilities. It is hopeless to attempt to discriminate between the elements which may be historical and others which are undoubtedly pure romance in the great cycle of legend which has gathered around the name, or rather the title, Vikramāditya, 'the Sun of Might.' Many kings at different periods and in different countries of India have been so styled; and it seems that the exploits of more than one of them have been confused even in those legends which may be regarded as having some historical basis. While it is possible, nay even probable, that there may have been a Vikramāditya who expelled the Çakas from Ujjayinī in the first century B.C., it is certain that the monarch who finally crushed the Çaka power in this region was the Gupta emperor, Chandragupta II Vikramāditya (380–414 A.D.). Indian tradition does not distinguish between these two. It regards the supposed founder of the era, which began in 58 B.C. (p. 571), and the royal patron of Kālidāsa, who lived more than four hundred years later, as one and the same person.

During the first quarter of the first century B.C., such dominion as the Andhras may have exercised over the region now known as Mālwā must have been restricted to its western portion, Avanti, of which Ujjayinī was the capital; for the Çuṅga kings were still in possession of Ākara or E. Mālwā (capital Vidiçā). But there is evidence that, presumably at some date after c. 72 B.C. when the Çuṅgas came to an end, E. Mālwā also was annexed by the Andhras. An inscription (no. 346) on one of the Bhīlsa Topes (Sānchī, no. 1) records a donation made in the reign of a king Çātakarṇi, who cannot be identified more precisely, but who must certainly have been an Andhra. The inscription is not dated; but there is now a general consensus among archaeologists that it probably belongs to about the middle of the first century B.C.[3]

[1] These kings belonged probably to the family of Gardabhilas, who appear in the Purāṇas among the successors of the Andhras; see *Kali Age*, pp. 44–6, 72.

[2] B.M. Cat., *Andhras &c.*, pp. xxxv, xxxvi.

[3] B.M. Cat., *Andhras &c.*, pp. xxiii, xxiv; Marshall, *Guide to Sānchi*, p. 13; Jouveau-Dubreuil, *Anc. Hist. of the Deccan*, p. 15.

Andhra coins of a certain type have also been attributed t E. Mālwā; but their date is uncertain, and they may belong to a later period[1]. The conquest of E. Mālwā marks the north-eastern limit to which the progress of the Andhra power can be traced from the evidence of inscriptions and coins.

The other great nation, which arose on the ruins of the Maurya empire to take its part in the struggle for supremacy, had also its home in the lowlands of the eastern coast. The Kaliṅgas[2], who occupied the country of the Mahānadī, were no doubt connected ethnographically with the Aṅgas and the other peoples of the plains of Bengal with whom they are associated in the Purāṇas (p. 317). They had been conquered by Açoka c. 262 B.C.[3]; but at some time after his death they had regained their independence; and the next glimpses of their history are afforded by inscriptions in the caves of the Udayagiri Hill near Cuttack in Orissa[4]. The immediate object of these inscriptions (nos. 1345–50) was to preserve the memory of pious benefactors—two kings, a queen, a prince, and other persons—who had provided caves for the use of the Jain ascetics of Udayagiri; and one of the inscriptions (no. 1345) in the Hāthigumphā, or 'Elephant Cave,' contained a record of events in the first thirteen (or possibly fourteen) years of the reign of one of the kings, Khāravela, a member of the Cheta dynasty. This is one of the most celebrated, and also one of the most perplexing, of all the historical monuments of India. Unfortunately it has been badly preserved. Of its seventeen lines only the first four remain in their entirety. These describe the fifteen years of the king's boyhood, the nine years of his rule as prince (*yuvarāja*), his coronation as king when his twenty-fourth year was completed, and events in the first two years of his reign. All the other lines are more or less fragmentary. Many passages are irretrievably lost, while others are partially obliterated and can only be restored conjecturally. Time has thus either destroyed or obscured much of the historical value of this record.

Even the fundamental question whether the inscription is dated or not is still in dispute. Some scholars contend that a passage in the sixteenth line can only be interpreted to mean that the inscription was engraved in the 165th year of the Maurya kings, or of the Maurya king, while others deny the existence of

[1] B.M. Cat., *Andhras &c.*, pp. xcv, xcvi.
[2] Chapter xxiv, pp. 601–2.
[3] Chapter xx, pp. 495, 503.
[4] Chapter xxvi, pp. 638 ff.

any such date[1]. The discussion of problems of this kind does not fall within the scope of the present work; but it may be pointed out here that the acceptance of the supposed date would seem to involve no chronological impossibilities, and that, in any case, the inscription probably belongs to about the middle of the second century B.C. We know from analogous instances that the origin of imperial eras is usually to be traced to the regnal years of the founder of the empire. A Maurya era, therefore, would naturally date from the accession of Chandragupta c. 321 B.C.; and, if such an era is actually used in the present instance, the inscription must be dated c. 156 B.C., and the beginning of Khāravela's reign c. 169 B.C. With this hypothetical chronology other indications of date seem to agree.

Epigraphical considerations show that the Hāthigumphā inscription of Khāravela and the Nānāghāt inscription of Nāganikā, the queen of Çātakarṇi, belong to the same period as the Nāsik inscription of Kṛishṇa[2]. Even, therefore, if it must be admitted that the Hāthigumphā inscription is undated, there is still reason to believe that Khāravela may have been contemporary with Çātakarṇi in the first half of the second century B.C. Moreover, a Çātakarṇi is actually mentioned in the Hāthigumphā inscription as Khāravela's rival; and it appears most probable that he is to be identified with the Çātakarṇi of the Nānāghāt inscription. Like this Çātakarṇi, Khāravela was also the third of his line, if we may accept the usual interpretation of a passage in the Hāthigumphā inscription[3]; and, as the rise of both the Andhra and Kaliṅga dynasties must no doubt date from the same period when the Maurya power began to decline, the probability that these two kings were contemporary is thus increased.

On two occasions, according to the inscriptional record, did Khāravela invade the Andhra dominions in the Deccan. In his second year he sent a large army of horse, elephants, foot-soldiers, and chariots to the West in defiance of Çātakarṇi; and in his fourth year he humbled the Rāshṭrikas of the Marāthā Country and the Bhojakas of Berār, both feudatories of the Andhra kings of Pratishṭhāna (pp. 530–1). Such expeditions were undoubtedly in the nature of a challenge to the predominant power of the Deccan;

[1] For the literature which bears on the interpretation of the Hāthigumphā inscription, see the Bibliography.

[2] Bühler, *Arch. Sur. West. Ind.* v, p. 71; *Indische Palaeographie*, p. 39.

[3] The different translation given by Mr Jayaswal seems not to be necessitated by the new reading to which he calls attention in *Jour. Bihar and Orissa Research Soc.*, 1918, p. 454.

but they appear not to have been pursued beyond the limit of safety. We may suppose that the armies of Khāravela passed up the valley of the Mahānadī and over the water-shed into the valleys of the Godāvari and its great tributaries the Waingangā and the Wardhā. They would thus invade territory which the Andhra monarch regarded as lying within his realm. But it is not stated, and there are no grounds for surmising, that the forces of the Kaliṅgas and the Andhras came into actual conflict on either of these occasions or that any important political results followed. Such military expeditions, as is abundantly proved by inscriptions, formed part of the ordinary routine in a state of society, in which war had become a profession and the soldier was an hereditary member of a professional caste. They supplied to some extent the place which is occupied by manœuvres in the training of modern armies; and they also afforded the king such opportunities as there might be for the fulfilment of that desire to extend his rule which, according to the law-books, is one of the chief qualifications for kingship (Manu IX, 251; X, 119 etc.). Our knowledge of this feature in the life of ancient and medieval India is derived from the eulogies of kings which fill so large a proportion of the inscriptions which have come down to our time. These compositions are the work of grateful beneficiaries or court-poets, whose object was rather to glorify their royal patron than to hand down to posterity an accurate account of the events of his reign. It is evident that in them successes are often grossly exaggerated, while reverses are passed over in complete silence. The statements of the inscriptions are, therefore, very frequently those of prejudiced witnesses; and they must be weighed as such if we are to estimate rightly the value of these few scattered fragments of historical evidence which time has preserved. The achievements of Khāravela loom large in the Hāthigumphā inscription; and there is no reason to doubt that, as a military leader, he played an important part in the affairs of the time. But if, as the expeditions of his second and fourth years seem to indicate, his ambition led him to entertain the project of wresting the suzerainty from the Andhra king of Pratishṭhāna, the attempt must be held to have failed. His family has found no place in the dynastic lists of suzerains which were handed down to posterity by the Purāṇas.

From the West, Khāravela turned his attention to the North. In his eighth year he harassed the king of Rājagṛiha, who fled at his approach; in his tenth year he sent an expedition to Bhāratavarsha; and in his twelfth year he produced consternation

among the kings of Uttarāpatha, humbled the king of Magadha, and, according to Mr Jayaswal's translation which is not undisputed, brought back trophies which had been carried away by king Nanda.

For the present we must be content with this brief summary of the relations of Kaliṅga with other countries after the fourth year of Khāravela's reign; and even these few statements raise problems for which no satisfactory solution can yet be proposed. The identification of the kings of Rājagṛiha and Magadha is still uncertain. The former bears no personal name in the inscription, and the question whether the latter is named or not is still undecided[1]. Both Bhāratavarsha and Uttarāpatha are often general designations of Northern India; and it is useless to speculate as to what particular regions they may possibly denote in this instance. All that appears to be certain is that Khāravela repeatedly invaded Northern India, and that on one occasion he won a decisive victory over the king then reigning at Pāṭaliputra. Who that king was we do not know. It seems natural to assume that the Çuṅgas were still the lords of Magadha; but there is no undoubted evidence that this was the fact. The Yavana invasion of the capital (p. 544) may have taken place before the twelfth year of Khāravela's reign, and decisive events may have happened of which no record has yet been discovered.

The mention of a king Nanda, or of Nanda kings, in two passages of the Hāthigumphā inscription seems to supply a link of connexion between the histories of Kaliṅga and Magadha before the Maurya period. But even this is doubtful; and the doubt cannot be dispelled so long as uncertainty remains in regard to the interpretation of the date, which is apparently indicated in one of these passages[2]. If *ti-vasa-sata* in line 6 of the inscription can mean 'three centuries before (the fifth year of Khāravela's reign),' we must suppose that, in the middle of the fifth century B.C., Kaliṅga was under the rule of a Nanda king, and it is natural to

[1] Mr Jayaswal holds that the king of Rājagriha was also the king of Magadha, whose name he reads in the inscription as Bahasatimitra, and whom he identifies with Pushyamitra. Apart from the proposed reading of the name, which cannot be verified from the reproduction of the inscription in Plate I of the *Jour. Bihar and Orissa Research Soc.* 1918, the identification of the Bahasatimitra of the Pabhosā inscription and the coins with Pushyamitra appears not to be possible, if Mr Jayaswal is correct in assigning the Pabhosā inscription (no. 904) to the tenth year of Odraka (p. 521). According to the Purānas there was an interval of twenty-five years between the reigns of Pushyamitra and Odraka (p. 518); and Āshāḍhasena, the donor of the Pabhosā cave, was the maternal uncle of king Bahasatimitra.

[2] Chapter XIII, pp. 314–5.

associate him with the well-known predecessors of the Mauryas. If, on the other hand, the expression means 'one hundred and three years before (the fifth year of Khāravela's reign),' or 'in the one hundred and third year (of the Maurya era)[1],' the reference must be, in the former case, to a king called Nanda who was reigning over Kalinga before its annexation by Açoka, and, in the latter case, to a predecessor of Khāravela in the Cheta dynasty after the kingdom had regained its independence.

As is so often inevitable in our attempts to reconstruct the mosaic of ancient Indian history from the few pieces which have as yet been found, we can do little more than define the limits of possible hypothesis in this instance. For greater certainty we must be content to wait until the progress of archaeological research has furnished us with more adequate materials.

KEY TO PLATE V.

1. Æ. **Eran**: Dharmapāla. *Obr. Raño Dhamapālasa* in ancient Brāhmī[2] characters written from right to left.
2. Æ. **Kauçāmbī**: Bahasatimitra. *Obv.* Humped bull to r. facing *chaitya*; above, symbol. *Rev. Bahasatimitrasa.* Tree within railing; on either side, symbols.
3. Æ. **Pañchāla**: Agnimitra. *Obv.* Agni, with head of flames, standing between posts on railing. *Rev.* in incuse, *Agimitasa*; above, three symbols.
4. Æ. id.: Indramitra. *Obv.* Indra seated on railing. *Rev.* in incuse, *Idamitasa*; above, three symbols.
5. Æ. **Mathurā**: Gomitra. *Rev. Gomitasa.* Standing figure; on either side, symbols.
6. Æ. id.: Brahmamitra. *Rev. Brahmamitasa.* Standing figure, with r. arm raised; on either side, symbols.
7. Æ. id.: Hagāmasha. *Obv.* Horse to l. *Rev. Khatapasa Hagāmashasa.* Standing figure, with r. arm raised; on either side, symbols.
8. Æ. id.: Hagāna and Hagāmasha. *Obv.* Horse to l. *Rev. Khatapāna Hagānasa Hagāmashasa*; to r., thunderbolt.
9. Æ. id.: Rañjubula. *Obv.* The *abhisheka* of Lakshmī. *Rev. Mahākhatapasa Rājuvulasa* Standing figure; on either side, symbol.
10. Æ. id.: Çoḍāsa. *Obv.* Indistinct, probably as on no. 9. *Rev. Mahākhatapasa putasa Khatapasa Çoḍāsasa.* Type as on no. 9.
11. Æ. **Ayodhyā**: Āryamitra. *Obv.* Peacock to r. facing tree. *Rev.* in incuse, *Āyyamitasa.* Humped bull to l. facing post.

[1] K. G. Sankara Aiyar, *Ind. Ant.*, 1920, pp. 43 ff.

[2] All the coin-legends in this Plate are in Brāhmī, except when 'Kharoshṭhī' is specially indicated.

12. Æ. id.: **Mūladeva.** *Obv. Mūladevasa.* Elephant to l. facing symbol. *Rev.* Wreath; above, symbol; below, snake.

13. Æ. **Rājanya Janapada.** *Obv.* Humped bull to l. *Rev. Rājanya-janapadasa.* Standing figure.

14. AR. **Udumbara**: Dharāghosha. *Obv. Mahadevasa raño Dharaghoshasa* | *Odumbarisa*; r., tree within railing; l., trident battle-axe. *Rev.* Similar legend in Kharoshṭhī characters. Viçvāmitra standing, with r. hand raised; across field, *Viçpa—mitra* in Kharoshṭhī characters.

15. AR. **Çaka**: Azilises. *Rev.* (Kh.) *Maharajasa rajatirajasa mahatasa* | *Ayilishasa.* One of the Dioscuri standing.

16. AR. **Kuṇinda**: Amoghabhūti. *Obv. Raño Kuṇiṃdasa Amoghabhūtisa Mahārājasa.* Deer to r. facing female figure; above, symbol; below, *chaitya. Rev.* Similar legend in Kharoshṭhī characters. *Chaitya* surmounted by *nandipada*; r., tree within railing; l., *svastika* and another symbol.

17. AR. **Almora**: Çivadatta. *Obv.* Railing with symbols between the posts. *Rev. Sivadatasa.* Type uncertain (symbol or letter ?); in margin, deer and tree within railing.

18. Æ. **Ujjayinī.** *Obv.* Elephant to r. *Rev. Ujeni[ye]*; above, a hand.

19. Æ. id. *Obv.* Three-headed standing figure. *Rev.* The symbol usually found on coins of Ujjayinī.

CHAPTER XXII

THE SUCCESSORS OF ALEXANDER THE GREAT

THE disintegration of the Maurya empire was followed by foreign invasions. Now that the unifying power was removed, the frontiers could no longer be held securely; and the history of N.W. India becomes for many centuries the record of successive conquerors who came along the routes which led from Bactria (N. Afghānistān) over the Hindu Kush into the Kābul valley or from Ariāna (Seistān and Kandahār) over the Brāhūi Mountains into Sind.

The first three of the series, who belong to the period before the Christian era, are known in Indian literature and inscriptions as Yavanas or Yonas (Greeks), Çakas or Sakas (Scythians), and Pahlavas (Parthians). Like other invaders they are regarded by the Sanskrit law-books and epics as degenerate Kshatriyas who had lost caste through their neglect of the religious and social code, and they are supposed to be of Indian origin, the descendants of Turvasu; but their names alone are sufficient to prove that they were foreigners, and that they came into India from Bactria or from Irān.

The Yavanas are the Iaunā of the Old Persian inscriptions of Darius, which show that the Persians applied to all Greeks without distinction the name of the Ionians of Asia Minor who were conquered by Cyrus in 545 B.C. Greek soldiers and officials formed no unimportant element in the administration of the empire of the Achaemenids; and it is not surprising therefore to find that the Greeks were known in India at a time when a large portion of the North-West was still under Persian rule. The occurrence of the word Yavana in a grammatical rule of Pāṇini (IV, 1, 49) is a certain indication that it had been adopted into Sanskrit before the middle of the fourth century B.C. Its Prākrit equivalent, Yona, is used in the inscriptions of Açoka to describe the Hellenic sovereigns of Egypt, Cyrene, Macedonia, Epirus, and Syria; and there can be little doubt that, in all Indian documents earlier than the third century A.D., the term denotes a person of Greek descent, in spite

of the fact that, like other foreign settlers in India, many of the Yavanas had become Hinduised and had adopted Indian names. At a later date, foreigners generally are classed as Yavanas.

On three occasions have Yavana conquerors occupied the Kābul valley, the North-Western Frontier Province, and large portions of the Punjab. The earliest of these episodes, the Indian expedition of Alexander the Great, has for more than twenty-two centuries been celebrated in the Western world as one of the most amazing feats of arms in the whole of history. Of its progress detailed accounts have been preserved by Greek and Latin authors whose information was derived from the writings of officers who themselves took part in the events which they describe; and in all these accounts Alexander himself is the great central figure. No personage of the ancient world is better known; but of this great conqueror the records of India have preserved no certain trace: he had failed to reach the Midland Country, to which the literature of the period is almost exclusively confined.

On the second occasion, Bactrian princes of the house of Euthydemus, whose conquests began c. 200 B.C., succeeded in rivalling and in surpassing the exploits of Alexander; and on the third occasion, Eucratides, who had supplanted the family of Euthydemus in Bactria, deprived it of its possessions in the Kābul valley and of a portion of its territory in N.W. India, before 162 B.C. (p. 457).

No connected account of these two rival Yavana houses has been preserved; and practically nothing is known about the personal character or achievements of the leaders who directed the affairs of a period which must have been full of stirring events. A few isolated references in literature, Greek, Roman, and Indian, a single Indian inscription, and the coin-legends of about thirty Greek kings and two Greek queens supply the evidence which enables us to retrace very imperfectly a few outlines in the history of the successors of Alexander the Great in India during the second and first centuries B.C.

For about a century after the treaty of peace between Seleucus and Chandragupta, c. 305 B.C., and half a century after the foundation of the Hellenic kingdom of Bactria, c. 250 B.C., the southern limit of the Yavana dominions was marked by the Hindu Kush. This broad band of mountainous country, which separates the great river systems of the Oxus and the Indus, was thus also the political boundary between Bactria and Paropanisadae (the Kābul valley and the country north of the Kābul river now known as Laghmān, Kohistān, and Kāfiristān). The mountain barrier,

although a formidable natural obstacle, has never effectually prevented intercourse between the two fertile regions which it divides. In all ages it has been traversed by migrating tribes, by military expeditions, or by peaceful traders and pilgrims. It was crossed by Alexander, from the Paropanisadae to Bactria, in fifteen days, and recrossed in eleven days[1]. The routes which led from Bactria over its passes converged at a point near the present Chārikār where Alexander had founded the city of Alexandria-under-the-Caucasus; and, so long as this strategical position could be held, invasion was impossible. But already in 206 B.C. the expedition of Antiochus the Great had shown that the way was now open; and the object lesson was not lost. Within a few years, the Bactrian king Euthydemus and the princes of his house began their triumphal career, the first stage of which was marked by the occupation of the Kābul valley.

From Kābul ancient routes led, on the one hand, into the provinces of Ariāna—Aria (Herāt) on the west, and Arachosia (Kandahār) on the south-west—and, on the other hand, into India through Gandhāra (Peshāwar and Rāwalpindi) on the south-east. It is probable that the Yavana power expanded in all three directions; but it was in the second and third of these—to Arachosia and to India—that its progress was most marked. In these directions it must no doubt have followed the routes once trodden by the armies of Alexander the Great. The full extent of the Yavana conquests is described by Strabo (XI, 516) who quotes Apollodorus of Artemita, the author of a history of Parthia which has been lost:

> The Greeks who occasioned its (Bactria's) revolt became so powerful by means of its fertility and advantages of the country that they became masters of Ariāna and India, according to Apollodorus of Artemita. Their chiefs, particularly Menander (if he really crossed the Hypanis to the east and reached Isamus), conquered more nations than Alexander. These conquests were achieved partly by Menander, partly by Demetrius, son of Euthydemus, king of the Bactrians. They got possession not only of Patalene but of the kingdom of Saraostos, and Sigerdis, which constitute the remainder of the coast....They extended their empire even as far as the Seres and Phryni. (Trans. M'Crindle, *Ancient India*, pp. 100–1.)

This passage is not without its difficulties; but the general purport is clear. The conquests of the Bactrian kings are said to have been carried to the south over the Hindu Kush into S. Afghān-

[1] (1) M'Crindle, *The Invasion of Ind. by Alex. the Great* (ed. 1896), p. 89; cf. Holdich, *Gates of India*, pp. 87–8. (2) *Itinerarium Alex. Mag.*, 104, trans. M'Crindle, *Ancient India*, p. 150.

istān, the North-Western Frontier Province, the Punjab, Sind, and Kāthiāwār, and to the east over the Pāmirs into Chinese Turkestān. Unfortunately the Indian limits of this extension are somewhat doubtful. The Hypanis must certainly be intended for the Hyphasis (Beās), the eastern limit of Alexander's march; and the Isamus must probably be intended for the Jumna. Patalene, the country of Patala, is the Indus delta. If the reading Saraostos, which has been restored from the MSS., be correct, it must undoubtedly represent Surāshṭra (Kāthiāwār). The identification of Sigerdis is uncertain.

The Indian conquests, attributed by Apollodorus to Demetrius and Menander, were ascribed by Trogus Pompeius (Justin, *Prologue* to Book XLI) to Apollodotus and Menander. It seems probable that Apollodotus and Menander, as well as Demetrius, belonged to the house of Euthydemus, and that all these three princes were contemporary.

Some of the principal stages in the routes which the conquering armies must have followed, together with the distances between the stages, are known from ancient authorities who derived their information from the campaigns of Alexander and Seleucus. The most complete record has been preserved by Pliny (VI, 17 (21)). Many of his measurements are no doubt correct, when due allowance is made for the necessary detours in marches; but, as others are evidently less exact, it will be more convenient to summarise here such information as is supplied by the *Imperial Gazetteer*, and to estimate other distances approximately by straight lines drawn on the map (Railway and Canal Map of India, 1910).

From Chārikār (Alexandria-under-the-Caucasus) to Kābul (Ortospanum) 40 miles.

„	Kābul (1) S.W. to Kandahār (Alexandria-among-the-Arachosians)	313 miles.
„	„ (2) S. to Indus delta, in a straight line	725 „
„	„ „ to S. Kāthiāwār „	1000 „
„	„ (3) E. to Jalālābād (Nagara)	101 „
„	Jalālābād E. to Peshāwār (Purushapura)	79 „
	(Stages on the 'royal road' which ran from Chārsadda, 16 miles N.E. of Peshāwār, to Patna, measured in a series of straight lines.)	
„	Chārsadda (Pushkalāvatī) E. to Shāhdheri (Takshaçilā)	80 „
„	Shāhdheri S.E. to Jhelum (Nicaea)	70 „
„	Jhelum S.E. to Siālkot (Çākala)	55 „
„	Siālkot S.E. to the Beās (Hyphasis)	65 „
„	the Beās S.E. to the Sutlej (Hesydrus) at Rūpar	85 „
„	the Sutlej S. to the Jumna (Yamunā) at Karnāl (old bed)	100 „

The second great Yavana invasion had thus passed beyond the bounds of Alexander's Indian realm in two directions—beyond the Beās eastwards, and beyond the Indus delta southwards. But it is doubtful if the successors of Demetrius, Apollodotus, and Menander exercised any permanent sway over the very wide expanse of territory indicated in Strabo's *Geography*. It is more likely that most of the princes whose coins we possess ruled over various kingdoms in the northern region of this area, that is to say, in the Kābul valley, in the North-Western Frontier Province, and in the northern districts of the Punjab. It is certain however that the military expeditions of the Yavanas were by no means confined within these limits. One such incursion which broke through the Delhi passage and penetrated the Midland Country as far as Pāṭaliputra (Patna) is described in the Yuga Purāṇa, one of the chapters of the Gārgī Saṃhitā.

As in all Purānic literature, we find here a record of past events in the conventional form of prophecy; and, however late the work may be in its present form, there is no reason to doubt that, like the Purāṇas generally, it embodies a more ancient tradition. From the passage in question we gather that 'the viciously valiant Greeks,' after reducing Sāketa (in Oudh), the Pañchāla country (in the doāb between the Jumna and Ganges), and Mathurā (Muttra), reached Pushpapura (Pāṭaliputra); but that they did not remain in the Midland Country because of a dreadful war among themselves which broke out in their own country[1]—an evident allusion to the internecine struggle between the houses of Euthydemus and Eucratides.

This account is to some extent supported and supplemented by two examples given by the grammarian Patañjali (a contemporary of the Çuṅga king, Pushyamitra) in illustration of the use of the imperfect tense to denote an event which has recently happened—'The Yavana was besieging Sāketa: the Yavana was besieging Madhyamikā' (Nagarī, near Chitor in Rājputāna)[2]. Such incursions brought the Yavanas into collision with the Çuṅgas who were now the predominant power in the Midland Country; and Kālidāsa's drama, the *Mālavikāgnimitra* (Act V) preserves the memory of a conflict on the banks of the river Sindhu (*v. sup.* p. 520), in which a Yavana force was defeated in the reign of Pushyamitra by the king's grandson Vasumitra.

It is clear that such warlike inroads were followed by no permanent occupation of the Midland Country, and that the period of

[1] Kern, *Bṛhat Saṃhitā*, p. 37. [2] Kielhorn, *Ind. Ant.* VII, p. 266.

military conquest, in which they are ineffective episodes, belongs to the earlier part of the second century B.C., when the Yavana power was as yet undivided by internecine strife. But the struggle of Greek with Greek was not long delayed. The conflict between the rival houses in Bactria was decided in favour of Eucratides; and the third Yavana invasion under his leadership deprived the princes of the house of Euthydemus of their dominions in Kābul and Kandahār (the Paropanisadae and Arachosia) and in N.W. India (Gandhāra).

After about 162 B.C. there were therefore two royal houses of Yavanas in India, and several branches of these houses were established in different kingdoms and ruled at the same time. The names and titles of a number of princes belonging to these families have been preserved by their coins; and a study of the coins enables us to recover a few facts in their history.

In the first place it is evident that some members of both royal houses ruled both to the north and to the south of the Hindu Kush. Their coins belong to two distinct and unmistakable classes. The coins struck in Bactria are purely Greek in style, in language, and in weight. They are the most noble examples of Greek art as applied to portraiture. No rivals to the lifelike portraits of Euthydemus and Demetrius appeared in the world until after the lapse of sixteen centuries, when the Greek spirit was again kindled at the renaissance and manifested itself in the medals of the great Italian artists. Contrasted with these, the coin-portraits executed to the south of the Hindu Kush are lifeless and conventional. Between the two styles of art there is a gulf fixed. Neither can be brought into relation with the other. They are the work of different regions and the outcome of different types of civilisation. In Bactria the Greeks ruled supreme amid peoples of a lower culture. On the south of the mountain barrier, in the Kābul valley and in India, they were brought into contact with a civilisation which was in many respects as advanced as their own and even more ancient—a civilisation in which, as in that of Ancient Egypt, religious and social institutions had long ago been stereotyped, and in which individual effort in literature and art was no longer free but bound by centuries of tradition. With this deeply-rooted civilisation the Greeks were forced to make a compromise; and the results are seen in their bilingual coin-legends, and in their adoption of the Indian (or Persian) weight-standard.

Differences less strongly marked, differences of degree rather than of kind, are to be observed in the style of the coinages which

the Yavanas issued in the kingdoms south of the Hindu Kush. This diversity is no doubt the result chiefly of varying local conditions. The Yavana dominions were very widely extended; and the influence of Greek models was naturally less strong in the more remote districts.

THE HOUSE OF EUTHYDEMUS

The princes of the house of Euthydemus who reigned both in Bactria and in kingdoms south of the Hindu Kush are Demetrius, Pantaleon, Agathocles, and probably also Antimachus.

Of these Demetrius alone is known to the Greek historians[1], whose statements as to his Indian conquests are confirmed, though scarcely supplemented, by the evidence of coins. The district, in which his bilingual square copper coins were struck, has not been determined; and all that can be said of his round coins, with types 'Elephant's head: Caduceus' and Greek legend only, is that they were directly copied by the Çaka king Maues, and that they must therefore have been in circulation in the lower Kābul valley or in N.W. India (Pl. VI, 1, 2).

Pantaleon and Agathocles were undoubtedly closely connected, since they struck coins which are identical in type and form. These were borrowed from the earlier native currency which prevailed generally in the Paropanisadae and Gandhāra. From a general consideration of the *provenance* of their coins, which are found in Kābul, Ghazni, and Kandahār, Cunningham concluded that Pantaleon and Agathocles must have ruled over the Western Paropanisadae and Arachosia (*N.Chr.*, 1869, p. 41). They would seem therefore to represent the south-western extension of the Yavana power.

The commemorative medals struck by Antimachus show that he claimed to be the successor of Diodotus and Euthydemus; but there is nothing to indicate his relation to Agathocles who makes the same claim. The two princes may have been ruling at the same period in different kingdoms. From the recorded discoveries of the Indian coins of Antimachus, Cunningham inferred that he ruled in the lower Kābul valley (the districts of Jalālābād and Peshāwar). The reverse type in which the king is represented on a prancing horse and wearing a flat cap (*kausia*), as on the obverse of the large silver Bactrian coins, is evidently a portrait; and the same type is continued on the coins of Philoxenus, Nicias, and

[1] Chapter XVII, pp. 445–7.

Hippostratus, who may have succeeded to the kingdom of Antimachus. But if these four princes really ruled over the same kingdom, its locality must be sought rather in the country of the Jhelum than in the lower Kābul valley. The coins of Philoxenus are found only to the east of Jalālābād (B.M. Cat., p. xxxviii), and those of Nicias only in the Jhelum District (Smith, *Early Hist. of Ind.*, 3rd ed., p. 243); while the types 'Apollo: Tripod' which are also struck by Hippostratus seem undoubtedly, in later times, to have been confined to the eastern districts of the Punjab (p. 552). The occurrence of the type 'King on prancing horse' on the joint coins of Hermaeus and Calliope may, as Cunningham suggested, indicate the union of two royal houses.

The Bactrian and Indian coins of Antimachus with their types 'Poseidon' and 'Victory' must refer to a naval triumph; and it is difficult to explain the allusion except on the supposition that this king had won a victory on one of the great Indian rivers—the Indus or the Jhelum.

Numismatists usually distinguish between an earlier Antimachus I Θεός and a later Antimachus II Νικηφόρος (Pl. VI, 3); but it seems more probable that the coins assigned to these are merely the Bactrian and the Indian issues of the same monarch. The two classes are connected by their types; and the difference between them may well be local rather than chronological. They represent the workmanship of districts separated by some hundreds of miles and dissimilar in culture. They find their parallels in the coinages of other Graeco-Indian kings, viz. Demetrius, Eucratides, and Heliocles. Like the title Ἀνίκητος, which is borne by Demetrius, the Νικηφόρος of Antimachus has reference to Indian conquests and is not found on the coins struck in Bactria.

Of the Yavana princes who ruled only to the south of the Hindu Kush, Apollodotus would seem to have been the first. He is twice mentioned by ancient authors, and on both occasions in association with Menander. From such evidence as is forthcoming we may reasonably conclude that the two princes were members of the family of Euthydemus, that they belong to the same period—the period of Yavana expansion—and that Apollodotus was the elder.

The copper coins of Apollodotus bear types 'Apollo: Tripod' in evident allusion to the king's name (Pl. VI, 4). These were restruck by Eucratides with his own types in the kingdom of Kāpiça (Kāfiristān) immediately to the south of the Hindu Kush (p. 555; Pl. VII, 36). The types of the silver coins, 'Elephant: Indian bull' (Pl. VI, 7) which may have symbolised the tutelary divinities of

cities, are commonly found on the earlier native coinages of the N.W., and the Indian bull is more particularly characteristic of Pushkalāvatī (Chārsadda) in the Peshāwar District (p. 557). These types continued to be struck by Heliocles (Pl. VI, 8). The coins thus show most clearly the transference of the upper and lower Kābul valleys from one Yavana house to the other, and they determine the date of Apollodotus I: he was, like Demetrius, the contemporary of Eucratides, who was the predecessor of Heliocles.

From their home in the N.W. the coins of Apollodotus were carried far and wide into other regions. Such distribution may manifestly be the result either of conquest or of commerce: it is therefore no certain indication of the limits of a king's dominions. But in this case numismatic evidence of the kind may well be adduced to confirm the statement preserved by Strabo, that Yavana rule extended on the south-west to Ariāna and on the south to the Indus delta and Western India. Cunningham observed that, while coins of Apollodotus are found in Arachosia (Ghazni and Kandahār) and in Drangiāna (Seistān), those of Menander do not occur in these regions; and from this fact he inferred that these provinces of Ariāna were lost to the house of Euthydemus during the reign of Apollodotus and before the reign of Menander (*N.Chr.*, 1869, p. 146). They would appear to have come successively under the sway of Eucratides and of Mithradates[1]. That Menander did not rule in Ariāna seems certain. He is associated rather with the eastern Punjab (p. 549); and in this region he may have been reigning contemporaneously with Apollodotus in the N.W. and in Ariāna.

The memory of Apollodotus and Menander was preserved in Western India by their coins, which, according to the author of the *Periplus of the Erythraean Sea* (§ 47), were still in circulation in the last quarter of the first century A.D. at Barugaza (Broach). But Yavana rule had long ago ceased in this region. Early in the first century B.C. the country of the lower Indus had passed into the possession of the Çaka invaders from Seistān[2].

After the conquests of Eucratides and Heliocles the dominions of the house of Euthydemus were confined to those districts of the Punjab which lie to the east of the Jhelum, that is to say, to the old kingdoms of Alexander's first and second Paurava, and to the region beyond. Here the types of Apollodotus, 'Apollo : Tripod,' were continued by Strato I, by the Çaka king Maues, and, with some modification in the representation both of Apollo and the

[1] Chapter XVII, p. 457. [2] Chapter XXIII, pp. 564, 570.

Tripod, by Apollodotus II Philopator, Dionysius, Zoilus, and Hippostratus (Pl. VI, 5, 6, and *Summary*, p. 587).

Menander is the only Yavana who has become celebrated in the ancient literature of India. He is unquestionably to be identified with Milinda, the Yavana king of Çākala (Siālkot), who is one of the two leading characters in the Milindapañha, the 'Questions of Milinda,' a Pāli treatise on the fundamental principles of Buddhist philosophy. It is in the form of a dialogue between the king, who had become notorious as 'harassing the brethren by putting puzzles to them of heretical tendency,' and the Buddhist elder, Nāgasena, who triumphantly solves these puzzles and succeeds in converting his royal antagonist. It is thus as a philosopher, and not as a mighty conqueror, that Menander, like Janamejaya, king of the Kurus, and Janaka, king of Videha, in the Upanishads, has won for himself an abiding fame.

As a disputant he was hard to equal, harder still to overcome; the acknowledged superior of all the founders of the various schools of thought. As in wisdom so in strength of body, swiftness, and valour there was found none equal to Milinda in all India. He was rich too, mighty in wealth and prosperity, and the number of his armed hosts knew no end. (Trans. Rhys Davids, *S.B.E.* xxxv, pp. 6, 7.)

The capital is described in the same somewhat conventional style in a passage which begins:

There is, in the country of the Yonakas, a great centre of trade, a city that is called Sāgala, situated in a delightful country, abounding in parks and gardens and groves and lakes and tanks, a paradise of rivers and mountains and woods. (*Ibid.* p. 2.)

Little is said which might not apply to any other important city lying on the great high road of N. India[1]. For more precise information we must seek elsewhere.

Çākala was a city of the Madras, who are mentioned in the Bṛihadāraṇyaka Upanishad (III, 3, 1; 7, 1) probably as early as 600 B.C., and who appear in the epics to occupy the district of Siālkot between the rivers Chenāb and Rāvi. Here Alexander found the second Paurava king, whose dominions he annexed to the satrapy of his relation and rival, the great Paurava, who ruled over the adjacent territory between the Jhelum and the Chenāb. We may conclude then that the kings of the Madras claimed to be

[1] In the Jain literature such conventional descriptions of persons and places have attained to their complete logical development: they have become stereotyped, and are to be supplied in each fresh instance from the bare stage direction, *vaṇṇo*, 'the description as before.'

Pūrus, and that their dominions together with their capital, Çākala, twice passed under the sway of the Yavanas—under Alexander and under his successor, Menander. At a later date, in the early part of the sixth century A.D., Çākala became the capital of the Hūṇa conqueror, Mihirakula[1].

At his meetings with Nāgasena, the king is attended by his five hundred Greek (Yonaka) courtiers, some of whom bear Greek names which have been slightly Indianised; and, as the chief of these courtiers were no doubt related to the royal family which traced its origin to Bactria, it is not surprising to find among them a Demetrius (Devamantriya) and an Antiochus (Anantakāya).

In the illustrations which are brought to bear on the philosophical topics under discussion, certain facts of a more general interest emerge. Milinda, it appears, was born at the village of Kalasi in the *dvīpa* of Alasanda. Kalasi cannot be identified; but the *dvīpa* of Alasanda is no doubt the district of Alexandria-under-the-Caucasus—Alasanda of the Yonas, as it is called in the Mahāvaṃsa (XXIX, 39). Translators have persistently rendered *dvīpa* by 'island,' and have thus added to the difficulties of identifying the site; but this is only one of the meanings of this word, which often denotes the land lying between two rivers—the Persian *duāb*: the district of Çākala, for example, in the Rechna Doāb between the Chenāb and the Rāvi, is often called *Çākala-dvīpa.* There is no reason therefore why the term *Alasanda-dvīpa* should not be applied to the country between the Panjshir and Kābul rivers, in which the ruins of Alexander's city have been recognised near Chārikār. No other of the numerous Alexandrias has an equal claim to the honour of being Menander's birthplace, which, in reply to Nāgasena's question, the king himself describes as being 200 *yojanas* distant from Çākala. The *yojana* has very different values according to the period and the locality in which it is used; but there is good evidence of the use in Buddhist books of a short *yojana*, equal to about two and a half English miles; and an estimate of 500 miles for the route from Chārikār to Siālkot seems to be fairly correct (p. 543). The statement thus incidentally preserved by the Milindapañha has the appearance of truth. Some branch of the family of Euthydemus would naturally be settled in the district, which was strategically important as constituting the connecting link between Bactria and India, and we may reasonably conclude that Menander, like Apollodotus, belonged to this branch.

[1] Chapter XV, p. 370; *Vedic Index*, II, p. 123; Pargiter, *Mārk. Pur.* pp. 315–6; Fleet, *Trans. Inter. Gr. Cong.*, Algiers, 1905, I, pp. 164 ff.

Menander's fame as a great and just ruler was not confined to India. Some two centuries after his time Plutarch recounted to the Greek world the story how, after his death in camp, the cities of his realm contended for the honour of preserving his ashes and agreed on a division among themselves, in order that the memory of his reign should not be lost. The story is evidently derived from some Buddhist source; for, as Prinsep first pointed out, it is a reminiscence of the story of the distribution of Buddha's ashes[1].

The coins of Menander show a greater variety of types and are distributed over a wider area than those of any other Graeco-Indian ruler. They are found not only in the Kābul valley and the Punjab, but also in the western districts of the United Provinces. There can be no doubt that Menander was the ruler over many kingdoms and that he was a great conqueror. It was most probably under his leadership that the Yavana armies invaded the Midland Country (p. 544). The statement, that the expedition was recalled on account of the war which had broken out between the Yavanas themselves in their own country, is in accordance with what may be inferred as to his date. Menander and Eucratides were almost certainly contemporary. Some of their square copper coins are so similar in style that they may reasonably be assigned not only to the same general period, but also to the same region—a region which must have passed from one rule to the other (Pl. VI, 13, 14).

The numismatic record of Menander is unusually full, but it is at the same time extraordinarily difficult to interpret. Few, if any, of his types can be attributed to the different cities in which they were struck. The most plausible suggestions are that the 'Ox-head' (Pl. VI, 17) may represent Bucephala, and the figure of 'Victory' (Pl. VI, 15; continued on the coins of Strato, Pl. VI, 16) Nicaea, the two cities which Alexander founded on the Jhelum in the realm of Porus[2].

The period is one of great historical complexity. The house of Euthydemus, after a career of conquest under Demetrius, Apollodotus, and Menander, was engaged in a struggle, under the same leaders, to maintain its newly won possessions against the encroachments of the house of Eucratides. Coins can only have preserved a few indications of the kaleidoscopic changes which must from time to time have taken place in the political situation. Nevertheless, their evidence clearly illustrates some of the main results of

[1] Plutarch, *Praecepta gerendae reipublicae* (Moralia, 821, D); Prinsep's *Essays*, ed. Thomas, I, pp. 50, 171.

[2] Chapter XV, p. 368.

the struggle. They show unmistakably that the dominions of the house of Euthydemus in the Kābul valley and in both western and eastern Gândhāra (Pushkalāvatī and Takshaçilā) had passed into the hands of Eucratides (pp. 555 f.) and his immediate successors Heliocles (pp. 556 f.) and Antialcidas (pp. 558 f.). It is in the region which lies to the south and east of the Rāwalpindi District that we must seek henceforth the remnants of the house of Euthydemus. Here Apollodotus appears to be represented by Apollodotus II Philopator, and Menander by Agathocleia and her son Strato.

The types which these families continue to use in the eastern Punjab, and which are especially characteristic of the house of Euthydemus, are chiefly two: (1) the types of Apollodotus, 'Apollo: Tripod' (Pl. VI, 4)—Strato I (Pl. VI, 5), and, with some modification in the types which appears to indicate a later date, Apollodotus II (Pl. VI, 6), Dionysius, Zoilus, Hippostratus (*Summary*, p. 587); and (2) the type of Menander, 'Athene Promachos' (Pl. VII, 18)—Agathocleia and Strato (Pl. VII, 19), Strato I (Pl. VII, 20, 21 and *Summary*, p. 588), Apollodotus II (Pl. VII, 22), Dionysius, Zoilus, Apollophanes (*Summary*, p. 589), Strato I and II (Pl. VII, 23).

In the long and distinguished list of queens who have ruled in India must be included the name of Agathocleia. Her relation to Menander cannot be proved very definitely; but it is by no means improbable that she was his queen and the governor of his kingdom after his death[1]. The fact that she struck coins on which her portrait appears together with the type of Euthydemus, 'Heracles seated,' shows that she was a princess in her own right and a member of the royal house; and her name suggests that she may have belonged to the family of Pantaleon and Agathocles (p. 546). She was undoubtedly the mother of Strato I Soter[2].

The coins issued by Agathocleia in association with her son, and by Strato ruling at first alone and afterwards in association with his grandson, Strato II Philopator, supply the most valuable evidence for the reconstruction of the history and chronology of this

[1] The evidence, such as it is, is as follows:—(1) The 'bust of Athena helmeted' which appears on coins of Menander (Pl. VI, 15) is perhaps a portrait of Agathocleia, like the similar bust on coins which she strikes in association with Strato (Pl. VII, 25); (2) the figure of a warrior king on the reverse of certain coins struck by Agathocleia during Strato's minority and bearing her own portrait may be supposed to represent the late king (*Corolla Numismatica*, Pl. XII, 4): a similar figure occurs as the obverse type on coins of Menander, where it is most naturally explained as that of Menander himself (*Lahore Cat.*, Pl. VI, 515).

[2] For the detailed proof see Rapson in *Corolla Numismatica* (Oxford, 1906), pp. 247–51.

period. They mark most clearly various stages in the long life of Strato. They begin at a time when the conquests of the house of Eucratides had not yet reached their limit; and they end on the eve of the complete overthrow of Yavana power in the eastern Punjab by the Çakas.

On the earliest of these coins Agathocleia appears as queen regent holding the place of honour with her portrait and Greek inscription on the obverse, while the Kharoshṭhī legend of the young prince occupies a subordinate position on the reverse (Pl. VII, 25). Afterwards, the combined portraits of mother and son declare their association in the government (Pl. VII, 19); and, later still, a series of portraits shows Strato first reigning alone—as a youth (Pl. VII, 20), or as a bearded man (Pl. VII, 21)—and then in advanced old age, with toothless jaws and sunken cheeks, both, as the Kharoshṭhī legends indicate, reigning alone (*Summary*, p. 588) and in association with his grandson, Strato II Philopator (Pl. VII, 23). To judge from these portraits, we have here glimpses of a life of more than seventy years. Between the earliest and the latest there is indeed a long interval, and to some period in this interval must be assigned the reigns of Apollodotus II Philopator, Dionysius, and Zoilus. They are associated by their common use of a peculiar monogram (Pl. VII, 22 and *Summary*, p. 589); and it is probable that they were all descendants of Apollodotus I. Apollophanes, whose name suggests that he may have been a member of the same family, must belong to the period represented by the latest coins of Strato.

Coins of Agathocleia and Strato (Pl. VII, 25), and others of Strato reigning alone (Pl. VI, 16), are sometimes found restruck with the types of Heliocles (Pl. VII, 35). The restruck coins of Strato bear the reverse-type 'Victory,' which was inherited by him either from Menander or from Agathocleia ruling in the name of Menander (Pl. VI, 15 and *Summary*, p. 588); and this type may not improbably be supposed to represent the city of Nicaea on the Jhelum (p. 551). We have here unmistakable evidence of a further transference of the dominions of the house of Euthydemus to the rival house of Eucratides, and a certain indication that the conflict which was begun by Eucratides in the time of Demetrius and Apollodotus, was continued by Heliocles in the reign of Strato.

The lifetime of Strato witnessed not only the decline in the eastern Punjab of the royal house to which he belonged, but also the downfall of Yavana rule in Northern India; for in his reign there came still another great foreign invasion which led to the

supremacy of the Çakas and Pahlavas. The debased art of his latest coins and of those in which he is associated with his grandson seems to show that the house of Euthydemus had fallen on evil days; and other coins clearly suggest the manner in which it came to an end. The familiar type of the house of Euthydemus, 'Athene Promachos,' continues to appear on coins; but the strikers no longer bear Greek names. Their names are either Indian like Bhadrayaçasa, or Çaka like Rañjubula (*Summary*, p. 589 and Pl. VII, 24). The former is otherwise unknown: the latter was the satrap of Mathurā c. 50 B.C.[1] It appears most probable that the kingdoms held in the eastern Punjab by the last successors of Euthydemus were conquered not by the first Çaka king, Maues, but by his successor, Azes I (58 B.C.), who was either contemporary with, or later in date than, Apollodotus II and Hippostratus whose coins he restruck[2].

THE HOUSE OF EUCRATIDES

From such notices of the history of Bactria and Parthia as have been preserved by Greek and Latin writers, a few main facts in the career of Eucratides may be gathered. He deposed Demetrius from the throne of Bactria (c. 175 B.C.); he invaded the countries to the south of the Hindu Kush, and wrested from Demetrius and the princes of his house their dominions in the Kābul valley, in Ariāna (Arachosia and Aria), and in N.W. India at some date before 162 B.C.; he was deprived by Mithradates I of his recently conquered possessions in Ariāna at some time between 162 and c. 155; and, while returning in triumph from an Indian expedition, he was slain by his son, c. 155. None of the princes of the royal house which he founded are named in ancient literature; all that can be known of them must be inferred from the numerous coinages which they issued and from a single Indian inscription.

The coins show that Heliocles, the successor of Eucratides, also ruled both in Bactria and in India, and that after his reign Greek power in Bactria ceased. Henceforth Yavana princes are found only in kingdoms south of the Hindu Kush, and they are divided into two rival dynasties—the successors of Eucratides in the Kābul valley and in N.W. India, and the successors of Euthydemus in the eastern region of the Punjab.

[1] See Chapter XXIII, pp. 575 f.

[2] Lahore Mus. Cat. pp. 122–3; and Chapter XXIII, p. 572.

Some stages in the conflict between the two houses are reflected in the types of their coins; and especially valuable is the evidence which is sometimes supplied by restrikings. Thus certain copper coins of Apollodotus I Soter, with the usual types 'Apollo: Tripod' (Pl. VI, 4) have been restruck by Eucratides (Pl. VII, 36). This must surely indicate that territory once occupied by Apollodotus had passed into the hands of Eucratides, and that consequently Eucratides must have been either contemporary with Apollodotus or later in date. Other evidence shows that these two kings were contemporary, for each of them was the predecessor of Heliocles (p. 557). This inevitable conclusion is perfectly in agreement with the style of the coins; for the Indian issues of Eucratides appear to be at least as late in style as those of Apollodotus. The comparatively early date of Apollodotus is moreover proved by his use of the Attic weight-standard.

But these restruck coins not only show that the two monarchs represent the two rival houses: they also give the name of the kingdom which had been lost and won. The reverse type is 'Zeus enthroned,' and it is accompanied by two symbols, a mountain and the head of an elephant; and the Kharoshṭhī legend describes the type as 'the divinity of the city of Kāpiçī' (Pl. VII, 36).

Kāpiçī, the Κάπισα (MSS. Κάτισα) of Ptolemy (VI, 18, 4), was a city of the Paropanisadae; and, according to Pliny (VI, 23 (25)), it had been destroyed by Cyrus. It is mentioned by Pāṇini (IV, 2, 99); and from his time onwards it is best known in Sanskrit literature as giving its name to a spirituous liquor distilled from the flowers of the Mādhavī creeper. But our chief knowledge of Kāpiça, as the kingdom may be called in distinction from its capital, Kāpiçī, comes from Chinese sources. For the Chinese Buddhist pilgrims it was the frontier country on their long journey to Northern India. It was a fruitful land of alpine valleys surrounded by mountains on every side. It was here that the Chinese princes who were detained as hostages in Kanishka's court spent the summer, while they passed the spring and autumn in Gandhāra and the winter in India. When Hiuen Tsiang visited Kāpiça in 630 A.D., it was a powerful kingdom, which, according to his description as interpreted by Cunningham, 'must have included the whole of Kāfiristān, as well as the two large valleys of Ghorband and Panjshir' (*Geog.* p. 18); and on it at that period were dependent the neighbouring kingdoms of Lampāka (Laghmān), Nagara (probably Jalālābād), and Gandhāra.

Hiuen Tsiang's account includes a notice which furnishes an interesting explanation of the coin-type :

To the south-west of the capital was the Pi-lo-sho-lo Mountain. This name was given to the mountain from its presiding genius who had the form of an *elephant* and was therefore called *Pi-lo-sho-lo*. (Watters, *On Yuan Chwang*, I, p. 129.)

The name is explained as meaning 'solid as an elephant,' and its Indian form has been restored as *Pīlu-sāra*, the first part of the compound being supposed to be of Persian derivation (*bīl* = elephant).

In this case, as also in others recorded by the historians of Alexander, the Greeks sought to identify the Indian divinities with their own. They evidently regarded the tutelary deity of the city of Kāpiçī as Zeus. The coin-type thus inaugurated became characteristic of the house of Eucratides in the Kābul valley. It continued to be used by his successors until all Yavana rule in India came to an end. It is found on the coins of Heliocles, Antialcidas, Amyntas (*Summary*, p. 591), and Hermaeus (Pl. VII, 37).

The conquests which Eucratides carried beyond the Kābul valley into the region of eastern Gandhāra (Takshaçilā) seem to be represented by the coins bearing the type 'Dioscuri' (Pl. VIII, 39), which was continued by Diomedes (Pl. VIII, 40). One of its varieties which shows the pointed caps (*pilei*) of these deities (Pl. VIII, 41) was certainly imitated by Liaka Kusūlaka, the Çaka satrap of the districts of Chahara and Chukhsa in the neighbourhood of Takshaçilā (Pl. VIII, 42). The 'Pilei' appear also on coins of Antialcidas (Pl. VIII, 43), Lysias and Antialcidas (*Summary*, p. 591), and Archebius (Pl. VIII, 44). Whether the type 'Victory' (Pl. VI, 13) denotes that Eucratides was at some time in possession of Nicaea on the Jhelum must remain doubtful (p. 551).

Although the evidence for the very existence of Heliocles is purely numismatic, it is almost certain that he was the son of Eucratides, and quite certain that he succeeded Eucratides both in Bactria and in India. That he was the last Yavana king to rule in Bactria is shown by the fact that after his reign coins of Greek workmanship cease entirely in that region, and are replaced by the rude imitations of his coins which supplied the currency of the barbarous Çaka conquerors. That he extended the conquests of Eucratides in India is shown by his restrikings of coins originally issued by rulers belonging to the house of Euthydemus (p. 553).

In the Kābul valley he continued to issue coins bearing the type 'Zeus enthroned,' with which Eucratides had restruck the coins of Apollodotus (*Summary*, p. 590), and others bearing the types 'Elephant: Bull' which are identical with those of Apollodotus himself (Pl. VI, 8). The type 'Elephant' occurs frequently both on the purely Indian, and on the Graeco-Indian, coinages of the Kābul valley and N.W. India. The various mints which it denotes cannot be identified more precisely; but it may be suggested that the type, like the 'Zeus enthroned,' derived its origin from the elephant-deity of Kāpiça. The 'Bull,' on the other hand, can be shown to have been the distinctive badge of Pushkalāvatī (Peucelaotis) in the lower Kābul valley, the capital of western Gandhāra. The evidence which makes this identification certain is supplied by the gold piece illustrated in Pl. VI, 10. On the obverse is seen the goddess wearing a mural crown, the emblem of a Greek civic divinity, and holding in her right hand a lotus as the tutelary deity of 'the City of Lotuses.' The accompanying Kharoshṭhī legend describes her as 'the goddess of Pushkalāvatī': and it is quite possible that her name may lie hidden in the three illegible Kharoshṭhī characters on the left. On the reverse is the figure of a humped bull; and above and below are the Greek and Kharoshṭhī equivalents for 'bull.' As in the case of the city divinity of Kāpiçī, the Greek artist has represented in accordance with Greek ideas an Indian deity who was supposed to bear the form of a bull. Here once again we are indebted to Hiuen Tsiang, who, in his description of Pushkalāvatī, says:

> Outside the west gate of the city was a Deva-Temple and a marvel-working image of the Deva. (Watters, *On Yuan Chwang*, I, p. 214.)

The bull, like the elephant, is a common emblem in Indian mythology, and is associated with the deities worshipped by various sects; but in this case it would seem undoubtedly to be the bull of Çiva; for the coin-type passed from the Yavanas and their successors, the Çakas, to the Kushāṇa kings who added to it the figure of the god himself. The bull continued to appear on the coins of this region for many centuries. It is seen on the 'Bull and Horseman' coins of the Shāhis of Gandhāra as late as the eleventh century A.D., and from them it is borrowed by the early Muhammadan conquerors.

The successors of Heliocles who from such numismatic evidence are known to have ruled over the kingdom of Pushkalāvatī are—Diomedes (Pl. VI, 11), Epander, Philoxenus, Artemidorus, and Peucolaus (*Summary*, p. 587).

The figure of Artemis, which occurs on the coins of Artemidorus, bears an evident allusion to the king's name; and, since it is found also on the coins of Peucolaus, it shows that the Greeks identified the city goddess with Artemis. The association of Peucolaus with Pushkalāvatī is proclaimed by his name, which is simply the adjective of Peucolaïtis, an alternative form of the Greek Peucelaotis.

The kingdom of Pushkalāvatī was wrested from the Yavanas by the first Çaka king, Maues, who imitates the types of Artemidorus, 'Artemis: Indian bull' (Pl. VI, 12); and the date of this event was probably about 75 B.C.[1]

The only Yavana king whose name has yet been found on a purely Indian monument is Antialcidas. The inscription on a stone column at Besnagar, near Bhīlsa in the Gwalior State, records that the column was erected in honour of Kṛishṇa (Vāsudeva) by the Yavana ambassador Heliodorus, son of Dio, an inhabitant of Takshaçilā, who had come from the Great King Antialcidas to King Kāçīputra Bhāgabhadra then in the fourteenth year of his reign. The inscription is full of interest. It testifies to the existence of diplomatic relations between the Yavana king of Takshaçilā and the king of Vidiçā (Bhīlsa); and it proves that already at this period some of the Yavanas had adopted Indian faiths, for Heliodorus is styled 'a follower of Vishṇu' (*bhāgavata*)[2].

The coins of Antialcidas with the type 'Pilei' also indicate that he was king of Takshaçilā (Pl. VIII, 43 and p. 556). As all the types connected with the worship of the Dioscuri are ultimately derived from the Bactrian coins of Eucratides (Pl. IV, 4–6), there can be no doubt that Antialcidas reigned after Eucratides.

Hitherto numismatists have assumed that Antialcidas was the predecessor of Eucratides; but the assumption, so far as it has any support, rests on an observation of von Sallet which may well have been mistaken; and what was originally a diffident suggestion on the part of von Sallet has been treated by each succeeding writer on the subject as a statement of fact[3].

That Antialcidas succeeded Eucratides also in the kingdom of Kāpiça appears from his coins with the type of the city divinity of Kāpiçī with which Eucratides restruck the coins of Apollodotus (*Summary*, p. 591). Some connexion between Antialcidas and

[1] Chapter XXIII, p. 570.

[2] For the inscription see *J.R.A.S.* for the years 1909–10. For the kingdom of Vidiçā see Chapter XXI, pp. 522 f.

[3] *Zeit. f. Num.*, 1879, pp. 298, 305. The coin on which von Sallet very doubtfully read three syllables of the Kharoshṭhī legend—*a li ki*—was probably one of Apollodotus restruck by Eucratides (see Pll. VI, 4; VII, 36).

Heliocles is indicated by their common use of the types 'Bust of king: Elephant,' with which Heliocles restruck the coins of Agathocleia and Strato (*Summary*, p. 590). Heliocles was no doubt the elder, for no Bactrian coinage of Antialcidas is known; but, even if these two kings were father and son, their reigns in India may have been to some extent contemporary. The dominions of the house of Eucratides included a number of kingdoms, of which some, as, for instance, Kāpiça, Pushkālavatī, and Takshaçilā, can be identified by the types of their coins; and its seems probable that the government of some of these kingdoms was entrusted to the heir apparent and other members of the royal family. It is possible, therefore, that some of the princes whose coins we possess may have been ruling at the same time in different provinces.

On certain coins struck in the district of Takshaçilā (type 'Pilei,' *Summary*, p. 591), Antialcidas is associated with Lysias; but there is nothing to explain the relation which one bore to the other, or even to show clearly to which of the two royal houses of Yavanas Lysias belonged. Indeed, since one class of the coins which Lysias strikes as sole ruler bears types, 'Bust of king wearing elephant's scalp: Heracles standing,' which are identical with those of Demetrius, it is usually assumed that the two kings belong to the same family. But in this case, as so frequently, numismatic evidence is ambiguous. It is perhaps equally probable that the types introduced into India by Demetrius had become characteristic of a particular district, and therefore continued to be used in that district after it had passed from the house of Euthydemus to the house of Eucratides.

The type 'Pilei' is continued by Archebius (Pl. VIII, 44) after whose reign it is no longer found on any coins issued by a Yavana king. It next appears on the small silver coins which the Çaka satrap, Liaka Kusūlaka, struck in imitation of those of Eucratides with the same type (Pl. VIII, 42, 41). The evidence of coins thus shows that after the reign of Archebius the region of Takshaçilā passed from the Yavanas to the Çakas; and the evidence of the Takshaçilā copper plate indicates that Takshaçilā was conquered by the first Çaka king, Maues, who was reigning there in the year 78 of an unspecified era, a date which, until the era can be determined, may be regarded provisionally as the equivalent of about 72 B.C.[1]

The two great kingdoms of Gandhāra, Pushkalāvatī to the west of the Indus (p. 557) and Takshaçilā to the east, thus passed under

[1] Chapter XXIII, p. 570.

the sway of the Çakas during the reign of Maues. The Çaka conquerors, moving up the valley of the Indus from their Indian base in Indo-Scythia (Sind), had come in like a wedge, which for a time separated the remnants of the two Yavana houses. The descendants of Euthydemus, the families of Apollodotus and Menander, still continued to rule in the eastern districts of the Punjab (p. 552), and the descendants of Eucratides in the upper Kābul valley (the province of the Paropanisadae).

The house of Eucratides was now reduced to the possession of the region which represented its earliest conquest to the south of the Hindu Kush. In the city of Kāpiçī on the most northern extremity of this region Eucratides had first used the type 'Zeus enthroned' to restrike the coins of the defeated Apollodotus; and this type, deprived of the special emblems of the tutelary divinity of Kāpiçī, 'Elephant and mountain,' remained characteristic of the coinages of the upper Kābul valley until the chapter of Yavana rule in India was closed. It was continued after the time of Eucratides by Heliocles, Antialcidas[1], Amyntas, and Hermaeus (*Summary*, p. 591, and Pl. VII, 37).

On some of his silver coins Hermaeus is associated with his queen, Calliope, who, like Agathocleia, must have been a princess in her own right. In the *obv.* type which represents the jugate busts of the king and queen, both of them wear the diadem; and their names are associated in the Greek and Kharoshṭhī legends. These joint coins are distinguished from the other issues of Hermaeus by the *rev.* type 'King on prancing horse'; and, as this type is characteristic of Antimachus and his successors, it is probable, as Cunningham suggested, that Calliope was a princess of this family (p. 546 f., and *Summary*, pp. 586).

With the conquest by the Çakas of the kingdoms held by the last successors of Euthydemus in the eastern Punjab, Yavana rule had already ceased in the north-western region of the sub-continent which is now known as India, that is to say, the N.W. Frontier Province and the Punjab; and Hermaeus was the last king of his race to reign in India in its more extended historical and geographical sense, which includes the southern half of the present Afghānistān. His kingdom in the upper Kābul valley was the last survival of the Yavana dominions; and it was hemmed in on every

[1] Coins bearing this type no doubt circulated beyond the limits of the region which seems to have been their home. The type as it appears on coins of Antialcidas was imitated by Maues, who was never in possession of the upper Kābul valley (*Summary*, p. 591).

side by actual or possible foes—on the east and on the south-west by the Çakas and Pahlavas of Peshāwar and Kandahār, and on the north by the Yueh-chi, who, since their settlement in the rich land of Bactria, had become a great power under the leadership of their chief tribe, the Kushāṇas. From one or other of these three possible sources—over the mountain region which is now traversed by the Khyber Pass, over the belt of highland country varying from 12,000 to 18,000 feet which lies between Ghazni and Kābul on the route from Kandahār, or over the Paropanisus—must have come the conquerors who put an end to the kingdom of Hermaeus. It was formerly held by the present writer that these hostile invaders were the Kushāṇas who came over the Paropanisus from Bactria; and the testimony of coins, on which the names of the last Yavana king, Hermaeus, and the first Kushāṇa conqueror, Kujūla Kadphises, are found in association, seemed to justify this conclusion[1]. But a fuller consideration of all the available evidence shows that the opinion of Dr F. W. Thomas is almost certainly correct, viz. that there was an intermediate period during which the Pahlavas were in possession of Kābul[2].

The coins which bear the name of Hermaeus must, if we may judge from their style and fabric, extend over a long period; and those which were mechanically copied by Kujūla Kadphises to supply his first issues in the Kābul valley are themselves barbarous. They are of copper and very far removed from the silver coins which were their prototypes (Pl. VII, 37 and *Summary*, p. 591). The earliest coins are of good style and of good metal; and they belong to the period before any of the squared Greek letters had been introduced. Later issues are of coarser workmanship; the silver is alloyed, and the square □ appears in the Greek legend. So far, the deterioration of art and the debasement of the coinage are such as might well be expected to have taken place during the reign of a king who was menaced by enemies on every side. But further stages of degradation can only be explained as the result of a complete change in the character of the civilisation of this region. The alloyed coins are succeeded by barbarous issues which are undisguisedly of copper, and finally by others in which the word ΣΩΤΗΡΟΣ, 'the saviour,' in the king's title appears as ΣΤΗΡ□ΣΣΥ and is rendered in the corresponding Kharoshṭhī legend by the word *mahatasa* (*mahantassa*), 'great'[3]. It is clear that the Greek language was no longer properly

[1] Rapson, *Indian Coins*, p. 16. [2] *J.R.A.S.*, 1906, p. 194, note 1.
[3] Rapson, *J.R.A.S.*, 1897, p. 319.

understood by the die-engravers. These last are the coins which are imitated by Kujūla Kadphises (Pl. VII, 28 and *Summary*, p. 589), whose date can scarcely be earlier than 50 A.D., since, according to Sir John Marshall's observations, the evidence of the discoveries at Takshaçilā shows that he was rather later than Gondopharnes, who is known to have reigned during the period from 19 A.D. to 45 A.D.[1]

It would appear then that, while Hermaeus may have been reigning for some time before and after c. 40 B.C., as would seem to be indicated by the square □ in his later Greek coin-legends[2], a coinage bearing his name and his types was issued by his conquerors until a much later date, in the same way and for the same reasons that the East India Company continued for many years to strike rupees bearing the name of the Mughal Emperor, Shāh 'Alam. That these conquerors were not Kushāṇas may, from chronological considerations, be regarded as certain. That they were the Pahlavas of Kandahār is made probable by the evidence of the coins which were struck by Spalirises with the characteristic type of the Yavana kings of Kābul, 'Zeus enthroned' (Pl. VII, 38)[3]. It was probably not until at least seventy years after the death of its last Yavana king that the Kābul valley passed from the Pahlavas to the Kushāṇas, the next suzerain power in Afghānistān and N.W. India.

[1] The four stages in the currency which bears the name of Hermaeus are shown in the B.M. Cat.: (1) pp. 62-3, nos. 1-4, Pl. XV, 1, 2; (2) p. 63, nos. 20-1, Pl. XV, 4; (3) pp. 64-5, nos. 25-40, Pl. XV, 6; (4) p. 65, nos. 45-50.

[2] Chapter XXIII, pp. 571-2. [3] Chapter XXIII, p. 574.

CHAPTER XXIII

THE SCYTHIAN AND PARTHIAN INVADERS

THE Scythian (Çaka) and Parthian (Pahlava) invaders of India are often mentioned in Sanskrit literature, and nearly always in association with each other and with the Yavanas. But, as this literature is not historical, we must turn to other sources—to Greek and Chinese historians, to the inscriptions of Persia and India, and to coins—for information as to their origin and their rule in India.

The Yavanas had come from Bactria over the Hindu Kush into the upper Kābul valley, and thence along the Kābul river into India by a route which has since been abandoned for that which now leads through the Khyber defile. It was formerly assumed that the Çakas came directly into India from the same region and by the same way. But this view is attended with difficulties which cannot be explained. In the first place, if the Çakas came through the Kābul valley, all traces of their invasion must be supposed to have disappeared from that region; for, among the many thousands of coins which were collected on its ancient sites at the time when the country was still open to archaeological investigation, the coins of the earliest Çaka kings are conspicuous by their absence; and secondly, it is certain that the Kābul valley remained in the possession of the Yavana princes of the house of Eucratides after the Yavana dominions in N.W. India on the eastern side of the Khyber Pass, that is to say, in Peshāwar and Rāwalpindi, had been conquered by the Çakas. Ingress from Bactria was therefore barred at this period.

The alternative suggestion that the Çakas may have come into India from their northern home in the country of the Jaxartes through Kashmīr involves a physical impossibility. The geographical difficulties of this region are such that an invasion from this direction of tribal hordes or armies sufficiently powerful to overwhelm the Yavana kingdoms and to conquer the whole of the N.W. Frontier Province and the Punjab is inconceivable[1].

[1] See the authorities quoted by Thomas, *J.R.A.S.*, 1913, p. 635, notes 1 and 2.

Any direct invasion from the north seems, in fact, to be out of the question. It is therefore far more probable, nay almost certain, that the Çakas reached India indirectly, and that, like the Pahlavas, they came through Ariāna (W. and S. Afghānistān and Baluchistān) by the great highway, associated in modern times with the Bolān Pass, which led from the Parthian provinces of Drangiāna (Seistān) and Arachosia (Kandahār) over the Brāhūi mountains into the country of the lower Indus (Sind). This route was well known and comparatively easy. By it Craterus had returned with that division of Alexander's army which included the elephants[1].

The Scythian (Çaka) settlements, which can only have been the result of invasions along this route, gave to the region of the Indus delta the name 'Scythia' or 'Indo-Scythia' by which it was known to the Greek geographers, and the name 'Çaka-dvīpa' or 'the river country of the Çakas' as it appears in Indian literature. This region still continued to be governed by the Pahlavas, who are inseparably connected with the Çakas, at the end of the first century A.D.[2] There can be little doubt that Indo-Scythia was the base from which the Çaka and Pahlava armies moved up the valleys of the Indus and its tributaries to attack the Yavana kingdoms of the successors of Euthydemus and Eucratides.

In all ages the name 'Scythian' has been applied generally to the nomads inhabiting the northern regions of Europe and Asia; and, according to Herodotus (VII, 64), the term 'Saka,' as used by the Persians, was equally vague. In the cuneiform inscriptions of Darius it denotes no less than three different and widely separated settlements of Scythians. These, enumerated from east to west, have been identified as follows:—

(1) The Sakā Tigrakhaudā, 'wearers of pointed helmets.' They are so described by Herodotus (VII, 64), who states that they were included together with their neighbours, the Bactrians, in the army of Xerxes. They were therefore the Çakas whose home was in the country of the river Jaxartes (the Syr Daria).

(2) The Sakā Haumavarkā, the Ἀμυργίοι of Herodotus (*loc. cit.*) who have been identified[3] with the Çaka settlers in the Persian province of Drangiāna, the country of the river Helmand, which was afterwards known as Çakasthāna, 'the abode of the Çakas,' the later Persian Sijistān and the modern Seistān.

[1] Chapter XV, p. 379.

[2] Ptolemy, VII, 1, 55; *Periplus maris Erythraei*, 38.

[3] Thomas, *J.R.A.S.* 1906, p. 186.

(3) The Sakā Taradarayā, or 'the Çakas over the sea'; that is to say, the Scythians of Europe who inhabited the steppes of Russia to the north of the Black Sea.

These three settlements are no doubt merely specimens of the larger deposits left by the waves of Scythian migration which may be traced back in history to about the middle of the eighth century B.C. The flood had now for some three and a half centuries been held in check by the barrier maintained in Bactria, first by the Achaemenid kings of Persia and afterwards by the successors of Alexander. But the strength of Bactria had been sapped by foreign and domestic strife, and it was no longer capable of resisting the pressure of barbarian hordes on the frontier.

The initial impulse of the tribal movements, which were destined to overwhelm Greek civilisation in the Oxus country, and to determine the history of N. India for many centuries to come, may be traced to an incident in the turbulent history of the Huns, against whose inroads the Chinese emperors had protected themselves by building the Great Wall. In the neck of country between the Great Wall and the mountains which forms part of the province of Kan-su, lived a people known to Chinese historians as the Yueh-chi. Being attacked and defeated by the Huns, c. 165 B.C., the Yueh-chi were driven from their country, and began a westward migration which necessarily brought them into conflict with other nomads, and produced a general condition of unrest among the tribes inhabiting the northern fringe of the deserts of Chinese Turkestān. The pressure caused by the steady onward movement of Yueh-chi tribes, numbering probably from half a million to a million souls[1], forced before it other nomads, and set up a flood of migration which, after sweeping away the Yavana power in Bactria, was only stayed in its westward course by Parthia.

Certain incidents in this migration, which must have extended over some thirty or forty years, are recorded by Chinese authors. In the country of the Ili river, now called Kulja, the Yueh-chi came upon a tribe called the Wu-sun. The Wu-sun were routed, and their king was slain; and the Yueh-chi continued their journey westwards towards the Issyk-kul Lake in the country which was until recently Russian Turkestān. Here they appear to have divided themselves into two bands—the one, afterwards known as the Little Yueh-chi, going southwards and settling on the borders of Tibet, and the other, the Great Yueh-chi, continuing their movement to the west until they came into contact with a people

[1] Smith, *Early Hist. of Ind.* (3rd ed.), p. 248.

whom the Chinese called See (Saï) or Sek, and who are probably to be identified with the Çakas of the Jaxartes. The Yueh-chi took possession of the country of the Çakas; and the Çakas being driven to the south-west occupied the country of the Ta-hia or Bactria.

The immediate cause of the downfall of Greek rule in Bactria would therefore seem to have been an overwhelming invasion of Çaka hordes who had been driven from their own lands. The native inhabitants of Bactria, the Ta-hia or Dahae, are represented as an unwarlike people living in towns and villages which were governed by their own magistrates. The state of society described is such as prevailed also in India: it is a society made up of local groups self-governed and self-contained. In the case of such communities the military conquest of a country merely determines the landlord to whom the customary dues must be paid. It is probable that for a brief period Çaka warrior chiefs took the place of Eucratides and Heliocles as rulers of the Ta-hia. Such would appear to have been the state of affairs when the Chinese envoy in 126 B.C. visited the Yueh-chi and found them still in the territories to the north of the Oxus from which they had expelled the Çakas. The political conditions then existing were in a transient stage of unstable equilibrium. They were the outcome of a disturbance of peoples which began in far distant China nearly forty years before. But the movement had not yet completed its course: it was resumed in consequence of an attack on the Yueh-chi.

The infant son of the Wu-sun king, who was slain by the Yueh-chi in their earlier conflict, had been adopted by the Huns; and when the boy grew up to manhood and became king of the Wu-sun, he with the aid of his protectors led an expedition against the Yueh-chi and drove them into the country south of the Oxus. The result must necessarily have been a further dispersal of the Çakas. A concise summary of events is given in the Chinese encyclopaedia of Ma-twan-lin:

> In ancient times the Hiung-nu having defeated the Yueh-chi, the latter went to the west to dwell among the Ta-hia, and the king of the Saï (Çakas) went southwards to live in Ki-pin. The tribes of the Saï divided and dispersed, so as to form here and there different kingdoms. (Translated from Rémusat, *Nouveaux Mélanges Asiatiques*, I, p. 205.)

This account is supplemented in the *Annals* of the Han Dynasty which state that the Çaka king became the lord of Ki-pin[1].

[1] O. Franke, *Beiträge aus chinesischen Quellen*, pp. 46, 54.

The summary records the complete annihilation of Çaka rule in Bactria. The king himself becomes king in Ki-pin—a geographical term which is used in various senses by Chinese writers, but which, in this case, would most naturally mean Kāpiça (Kāfiristān); and the tribes formerly under his command are dispersed. There is no indication that any considerable body of Çakas accompanied their king to Ki-pin. The main movement, impeded by the Yavana power in Kābul, would naturally be westwards in the direction of Herāt and thence southwards to Seistān. The tide of Scythian invasion had no doubt been flowing in these directions since the time when the Çakas were first expelled from their territory beyond the Jaxartes by the Yueh-chi; for there is good evidence to show that the earlier Scythian settlements in Irān were reinforced about the time when the Çakas first occupied Bactria. The kings of Parthia who now held eastern Irān were engaged during two reigns (Phraates II, 138–128 B.C., and Artabanus I, 128–123) in unsuccessful struggles with their Scythian subjects; and the contest was only decided in favour of Parthia in the reign of the next monarch, Mithradates II the Great (123–88). Parthia had now taken the place of Bactria as the barrier which impeded the westward course of migrations from upper Asia. But the stream of invasion was only diverted into another channel: checked in Ariāna, it forced its way along the line of least resistance into the country of the lower Indus (Indo-Scythia). The Çaka invasion of India, like the invasion of the Huns (Hūṇas) between five and six centuries later, was but an episode in one of those great movements of peoples which have so profoundly influenced the history not only of India, but also of Western Asia and Europe.

On a few of their coins, generally imitated from those of their Yavana predecessors (e.g. B.M. Cat., Pll. XVI, 1; XVII, 7; XIX, 12) the Çaka and Pahlava kings repeat the Greek royal title 'King' or 'Great King'; but their normal style is 'Great King of Kings,' a title which is distinctively Persian. It has a long history from the *Kshāyathiyānām Kshāyathiya* of the inscriptions of Darius down to the *Shāhān Shāh* of the present day. Like the Indian *Chakravartin*, 'the wielder of the discus,' the Persian 'King of Kings' was the supreme monarch to whom other kings paid homage. In the Parthian empire the title was probably first assumed by Mithradates II the Great (123–88 B.C.) in imitation of his predecessors, the Achaemenids[1]. It was in his reign that

[1] Some numismatists attribute the Parthian coins on which the title first occurs to Mithradates I (171–138). See Wroth, B.M. Cat., *Parthia*, p. xxv, note.

the struggle between the kings of Parthia and their Scythian subjects in eastern Irān was brought to a close and the suzerainty of Parthia over the ruling powers of Seistān and Kandahār confirmed. In these subordinate governments Parthians (Pahlavas) and Scythians (Çakas) were so closely associated that it is not always possible to distinguish between them: the same family includes both Parthian and Scythian names. It is therefore little more than a convenient nomenclature which labels the princes of the family of Maues, who invaded the lower Indus valley, as Çakas, and those of the family of Vonones, who ruled over Drangiāna (Seistān) and Arachosia (Kandahār), as Pahlavas. The relation between Maues and Vonones is uncertain; but it is clear that their families were associated in a later generation.

It has been supposed that the introduction into India of the Persian and Parthian title, 'Great King of Kings,' was the result of an actual conquest of N.W. India by Mithradates I; and a statement of the historian Orosius that this monarch conquered all the peoples between the Hydaspes and the Indus has been interpreted to mean that he extended the power of Parthia beyond the Indus as far as the Indian Hydaspes (the Jhelum)[1]. But to an author who is writing from the standpoint of Parthia, the expression 'between the Hydaspes and the Indus' must surely connote an extension from west to east—from a Persian river to the great Indus which has so often in history been the boundary between Irān and India. Hydaspes is a Persian name, and the river mentioned in this passage is no doubt the Medus Hydaspes of Virgil (*Georgics*, IV, 211)[2]. The theory of a conquest of N.W. India by Mithradates I would therefore seem to be founded on a misunderstanding of the historian's statement. The invasion of India must be ascribed not to the Parthian emperors, but to their former feudatories in eastern Irān; not to the reign of Mithradates I, but to a period after the reign of Mithradates II, when the power of Parthia had declined and kingdoms once subordinate had become independent. The association to which the coins bear witness is not one between Parthia and eastern Irān, but between Irān and N.W. India. In fact, all through the period of Çaka and Pahlava rule the countries to the west and east of the Indus were governed by members of the same royal house. There were normally three contemporary rulers of royal rank—a King of Kings associated

[1] Smith, *Early Hist. of Ind.* (3rd ed.), p. 226.

[2] Pauly-Wissowa, *Real-Encyclopädie*, s.v. Hydaspes (2). The remark in Rapson, *Anc. Ind.*, p. 171, should be corrected.

with some junior member of his family in Irān, and a King of Kings in India; and the subordinate ruler in Irān usually became in due course King of Kings in India.

The assumption of the imperial title, 'King of Kings,' by these Çaka and Pahlava suzerains is most significant as testifying, in a manner which cannot be mistaken, to the diminished power of Parthia at this period. In Parthia itself the title remained in abeyance during the interval from 88 to 57 B.C. which separates the reigns of Mithradates II and III; and in the meantime it was assumed not only by the Çaka king Maues in the East, but also, in the years 77-73, by Tigranes, king of Armenia, the great rival of Parthia in the West[1].

In eastern Irān the 'King of Kings' and the prince of his family who was associated with him in the government issued coins bearing the names of both—the former in Greek on the *obverse*, and the latter in Kharoshṭhī on the *reverse*. Greek was the ordinary language of coins throughout the Parthian empire: it was not characteristic of any particular province. Kharoshṭhī, on the other hand, was, in eastern Irān, restricted to Arachosia (Kandahār). We may reasonably infer therefore from his Kharoshṭhī coin-legends that the viceroy governed this province in the upper valley of the Helmand and its tributaries. The other province, Drangiāna (Seistān), was most probably under the direct rule of the suzerain.

In India the 'King of Kings' ruled with the aid of satraps and military governors. The first three Çaka suzerains who succeeded to the dominions of the Yavanas in the N.W. Frontier Province and the Punjab were Maues, Azes I, and Azilises. Their numerous coinages are, almost without exception, copied from those of their Yavana predecessors: and it is therefore probable that the coins represent only those districts of the Çaka realm which were formerly held by the Yavanas[2]. The great variety of the types thus imitated indicates the wide extent of these territories; and the astonishing difference of style shown by coins struck in the same reign proves that the art of different regions varied enormously at the same period. The best coins belong no doubt to Gandhāra (Pushkalāvatī and Takshaçilā). Inferior workmanship is a sign of remoteness from this region rather than of a late date,

[1] Wroth, B.M. Cat., *Parthia*, p. xxv, note; Head, *Historia Numorum* (2nd ed.), p. 772; von Gutschmid, *Gesch. Irans*, p. 81.

[2] The province of Indo-Scythia (Sind) appears to be very inadequately represented by coins. It may, perhaps, have been held by the viceroy together with Arachosia.

as the numismatists have commonly assumed. It was in Gandhāra that the Graeco-Buddhist school of art, the outcome of a fusion of Greek and Indian ideals and methods, grew up and flourished, but it was not until the end of the first century A.D. that this school reached its highest state as seen in the religious sculptures of the Kushāṇas. Its beginnings are no doubt to be traced in the coins of an earlier date, and such beginnings were naturally progressive. The finest coins of Maues, for instance, are excelled by those of Azilises two reigns later[1]. The early date, viz. c. 120 B.C., which is usually assigned to Maues entirely on grounds of style and on the gratuitous assumption that art was retrogressive from the time of the Yavanas onwards, cannot therefore be maintained. It is far more probable that he invaded India after the end of the reign of Mithradates II (123–88 B.C.) when Parthia ceased to exercise any real control over Seistān and Kandahār.

The precise date of Maues cannot at present be determined. He is undoubtedly to be identified with the Great King Moga, who is mentioned in the Takshaçilā copper-plate inscription of the satrap Pātika. The inscription is dated in the reign of Maues and in the year 78 of some unspecified era. None of the known Indian eras seems to be possible in this case; and it may not unreasonably be suggested that the Çakas, like other foreign invaders at all periods, may have brought with them into India their own system of reckoning, and that this may be the era used in Seistān. The month in the inscription is Parthian; and from this fact it may be inferred that the era itself is probably of Parthian origin. It may possibly mark the establishment of the new kingdom in Seistān after its incorporation into the Parthian empire by Mithradates I, c. 150 B.C. If so, the date of the inscription would be c. 72 B.C., a year which may well have fallen in the reign of Maues.

The coins of Maues are copied from those struck by princes of both the Yavana houses (Pll. VI, 2, 9, 12; VIII, 48, and *Summary*, pp. 586 ff.). The numismatic evidence combined with that of the Takshaçilā copper-plate indicates that he conquered Gandhāra—Pushkalāvatī to the west of the Indus (Pl. VI, 12, and *Summary*, p. 587) as well as Takshaçilā to the east—and it is possible that he may have invaded the Yavana dominions in the eastern Punjab. But it is clear that in the direction last mentioned the Çaka conquests failed to reach their limit during his reign. For a time the remnants of the two Yavana houses in the upper Kābul valley and

[1] Whitehead, Lahore Mus. Cat., *Indo-Greek Coins*, p. 93.

in the eastern Punjab seem to have been separated by the Çaka dominions which lay between them in the valley of the Indus.

The evidence for this is supplied by the coins of Azes I and Azilises, who not only continue the issues of Maues (*Summary*, pp. 587–9), but also strike a number of additional types which are manifestly borrowed from those of the Yavana princes whose kingdoms they conquered[1]. The most noteworthy of these is the *rev.* type 'Athene Promachos' which is characteristic of the families of Apollodotus and Menander in the eastern Punjab. It appears on coins of Azes I, but not on those of Maues (*Summary*, p. 589). Such additional types bear witness to a considerable extension of the Çaka dominions, and seem to indicate that after the reign of Maues the house of Euthydemus was extinguished and Yavana rule in the Punjab brought to an end. The house of Eucratides, now probably represented by its last king, Hermaeus, still continued for a while to hold the upper Kābul valley—the base from which the Yavana power had first extended to Arachosia and to India.

To Azes I has been attributed the foundation of the Vikrama era beginning in 58 B.C., and, according to Sir John Marshall, an inscription discovered by him at Takshaçilā is actually dated 'in the year 136 of Azes.' This interpretation may well be correct (*v. inf.* p. 581), in spite of the tradition that this era was founded by King Vikramāditya of Ujjain to commemorate the defeat of the Çakas; and, whatever may have been the origin of this era, the assignment of the reign of Azes I to this period is justified by other considerations. It is consistent with the date ascribed independently to his predecessor, Maues (c. 75 B.C.), and with the date of his third successor on the throne, Gondopharnes, who almost certainly began to rule in 19 A.D. (p. 576); and it is supported by evidence drawn from the epigraphy of the Greek coin-legends.

On the earlier coins of the Yavanas and on those of the first Çaka king, Maues, the round form of the Greek *omicron* only is found. On some of the later Yavana coins, e.g. those of Hippostratus, and on the coins of Azes I the square form, □, makes its appearance side by side with the round form. The same change took place in Parthia during the reign of Orodes I (57–38 B.C.)[2]. That at this period there was constant communication between Parthia and India there can be no doubt. It is

[1] The most complete list of types is given in the Lahore Mus. Cat., vol. I.

[2] B.M. Cat., *Parthia*, p. 73, no. 87, Pl. XV, 2, a tetradrachm of the later coinage struck in 40–39 B.C.

reasonable, therefore, to suppose that this epigraphical change is due to a fashion which spread from one country to the other, and that the occurrence of the square *omicron* on a Parthian or Indian coin is an indication that its date is not earlier than c. 40 B.C.[1]

Judged by this test, the Yavana king, Hippostratus, must have continued to reign after the death of Maues; and he must have been contemporary with the successor of Maues, Azes I, who restruck his coins and continued to use some of his most distinctive monograms, no doubt after the conquest of his kingdom[2].

There is no reason to question the almost unanimous opinion of numismatists that Azes I was succeeded by Azilises; but there was certainly a period in which these two kings were associated in the government. On some coins which they issue conjointly both bear the imperial style, 'Great King of Kings'; but Azes I, as the elder, occupies the place of honour on the *obverse* with its Greek legend (B.M. Cat., p. 173, Pl. XXXII, 9).

On other coins, however, the same two names appear with the same titles, but with a change of position—Azilises occupying the *obverse* with a Greek legend, and Azes the *reverse* with a Kharoshṭhī legend (B.M. Cat., p. 92, Pl. XX, 3); and, as degrees of dignity or seniority are undoubtedly indicated by these positions in similar instances, it has been inferred that Azilises was associated with two kings named Azes—possibly with his father and predecessor at the beginning of his reign and with his son and successor at its close. The existence of a second Azes might well be questioned if it could be proved by no more cogent argument than this. But the coins which bear the name show so great a diversity of style that, from this fact alone, numismatists have suspected that they must have been struck by more than one king; and, if our system of chronology be correct, the Azes who succeeded Maues in 58 B.C. cannot possibly have been the Azes who was succeeded by Gondopharnes in 19 A.D. (p. 577).

At some time during the period when the first three Çaka kings were establishing their empire in India, Vonones was reigning as suzerain over the kingdoms of eastern Irān with the same imperial title, 'Great King of Kings.' It is inconceivable that such a dignity should have been usurped in this region so

[1] This chronological test must be applied with caution. Isolated instances occur earlier; and the squared forms of the Greek letters □, [, and ⊔ are characteristic of certain regions. In other regions they are not found. See Rapson, *J.R.A.S.*, 1903, p. 285.

[2] Lahore Mus. Cat., p. 122, note; B.M. Cat., pp. 59, 73.

long as it remained under the suzerainty of Parthia. Vonones, like Maues, must, therefore, be later than the reign of Mithradates II the Great (123–88 B.C.)—precisely how much later must for the present remain uncertain.

The two classes of coins which bear his name are distinguished respectively by the type of Demetrius, 'Heracles standing,' and the type of Heliocles, 'Zeus standing' (Pl. VII, 27, 31). They were issued presumably in districts of Arachosia which were once under the sway of these Yavana kings. Their Greek legends show the round form of *omicron* which, in some other cases, indicates a date earlier than c. 40 B.C.; but it appears that this epigraphical test cannot be applied in this particular instance, since the square form seems not to occur in connexion with these types until much later (*Summary*, pp. 589–90). The most trustworthy evidence as to the date of Vonones is supplied by the coins of Spalirises, 'the king's brother.' If 'the king,' who is not named, was Vonones himself, as is usually assumed, the earlier coins of Spalirises, i.e. those struck by him before he became suzerain of eastern Irān in succession to Vonones, may perhaps afford a valuable historical indication. There are two classes of these, both of them issued in the district in which the type of Heliocles, 'Zeus standing,' prevailed (*Summary*, p. 590). In the first, Spalirises appears alone as 'the king's brother' without any distinctly royal title. In the second, he as senior (Greek legend) is associated with Azes as junior (Kharoshṭhī legend), both of them bearing the subordinate or viceregal title 'Great King.' Vonones was evidently still reigning as Great King of Kings at this time. The relationship of Azes to Spalirises is not expressed in the Kharoshṭhī legend; and in such cases it seems to be assumed that the junior is the son of the senior: otherwise, i.e. when the junior is a brother or a nephew, the relationship is stated. We may conclude, then, that this Azes was most probably the son of Spalirises and the nephew of Vonones, and we may identify him with Azes II who afterwards became suzerain of N.W. India and ended his reign in 19 A.D. Vonones was at least a generation earlier; that is to say, he appears to have been contemporary with Azilises and possibly with Azes I. Until more definite evidence can be discovered, he may be supposed to have begun his reign c. 30 B.C. It seems impossible, therefore, to identify him with Vonones I of Parthia (8–11 A.D.).

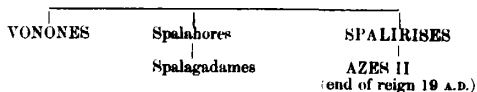
The family of Vonones is one in which the two ruling elements of eastern Irān have been blended. The name of Vonones himself is distinctly Parthian; but the names of his brothers, Spalahores

and Spalirises, and of his brothers' sons, Spalagadames and Azes, are Scythian. For the sake of convenience we may call this family 'Pahlava,' in order to distinguish it from the better known 'Parthian' dynasty of Ctesiphon, although in reality the two terms are etymologically identical.

A characteristic feature of the coins of Vonones and his family is, as we have seen (p. 569), the association of the Great King of Kings with the viceroy of Arachosia, whose relationship to the suzerain is sometimes expressed in the Kharoshṭhī legend of the *reverse*. Thus Vonones ruled conjointly with his brother, Spalahores, and with his nephew Spalagadames, the son of Spalahores (Pl. VII, 27, 31, and *Summary*, pp. 589–90). If we may assume with Mr Whitehead[1] that the Scythian name, Spalahores (Çpalahora) appears in a Greek guise as Spalyris, this brother of Vonones and his son also ruled conjointly as viceroys over the district of Arachosia in which coins bearing the type of Euthydemus, 'Heracles seated,' were current. This district had formerly been under the direct government of the Great King of Kings, Azilises (*Summary*, p. 589).

The *rev.* type of the coins which Spalirises issued as the successor of Vonones in the suzerainty of eastern Irān is 'Zeus enthroned' (Pl. VII, 38); and, as it is evidently borrowed from the coins of Hermaeus, it may perhaps be interpreted as an indication that the kingdom of Kābul had now passed from the Yavanas to the Pahlavas. If so, it would appear that this last stronghold of Yavana power had yielded to an invasion of the Pahlavas of Kandahār. The types of these coins of Spalirises are sometimes found restruck on coins of Vonones as if they were intended for circulation in a newly conquered territory (B.M. Cat., p. 101, note).

The family of Vonones may thus be reconstructed from the numismatic evidence[2]:

VONONES	Spalahores	SPALIRISES
	Spalagadames	AZES II (end of reign 19 A.D.)

The coins and inscriptions of the satraps of the Çaka suzerains of N.W. India enable us to supply a few additional outlines of the history before the Christian era. The names of a considerable

[1] Lahore Mus. Cat., vol. I, p. 143, note 1.

[2] The names of suzerains are printed in capital letters.

number of these provincial administrators are known; but it must suffice here to mention only those whose date and province can be determined approximately.

In the satrapal system of government a Great Satrap was associated with a Satrap, usually his son, who succeeded to the higher dignity in due course. The earliest recorded ruler of this kind is Liaka Kusūlaka, who, according to the Takshaçilā copper-plate inscription of the year 78 (= c. 72 B.C.? *v. sup.* p. 570), was satrap of Chhahara and Chukhsa, districts which have not been identified, but which were presumably in the neighbourhood of Takshaçilā. His coins were imitated from those of Eucratides (Pl. VIII, 42). His son, Pātika, who made the deposit of relics which is commemorated by the inscription, bore no title at that time; but there can be little doubt that he must have succeeded his father first as satrap and afterwards as great satrap. His name with the higher title is among those inscribed on the Mathurā Lion-Capital (c. 30 B.C.?).

This remarkable monument of the rule of the Çakas in the south-eastern extremity of their dominions was discovered at Mathurā by an Indian scholar, Pandit Bhagvānlāl Indrājī, in 1869, and was bequeathed by him to the British Museum on his death in 1888. It is of the local red sandstone, and represents two lions reclining back to back and facing in the same direction. Its style is strikingly Irānian. The capital must originally have surmounted a pillar, and must itself have supported some religious emblem; but its purpose had long ago been forgotten; and when it was discovered it was built into the steps of an altar devoted to the worship of Çītalā, the goddess of small-pox. The Kharoshṭhī inscriptions with which the surface is completely covered associate in the religious merit of the foundation the donor herself (the Chief Queen of the Great Satrap Rājūla) and all the members of her family together with certain contemporary satraps governing other provinces of the Çaka realm and other eminent personages of the time. The Great Satrap Rājūla, whose name appears as Rājuvula in other inscriptions, is unquestionably the Rañjubula who, both as satrap and as great satrap, struck coins in imitation of those of Strato I and Strato II, the last of the Yavana kings to reign in the E. Punjab (Pl. VII, 24); and he was the father of Çoḍāsa in whose reign as satrap the monument was erected. Subsequently Çoḍāsa himself appears as great satrap on the Āmohinī votive tablet at Mathurā, which is dated in the second month of Winter of the year 42. As the month is thus recorded in an Indian style, the

era must probably also be Indian; and if, as seems likely, it is the era of Azes (58 B.C.), we may conclude that Çoḍāsa was great satrap in 17–16 B.C.

Among the names of contemporary Çaka governors mentioned in the inscriptions of the Lion Capital is found that of Pātika, now a great satrap, who during the reign of Maues made the benefaction recorded in the Takshaçilā copper-plate (year 78 of the era of Seistān = c. 72 B.C.?). At that time he was a private individual without any official title. It may be assumed that in due course he succeeded his father in the administration of Chhahara and Chukhsa. When the Lion Capital was inscribed, he was a great satrap and contemporary with the Great Satrap Rañjubula (Rājūla) of Mathurā. If a period of about forty years may be allowed for his whole official career, the date of the Lion Capital may be given provisionally as c. 30 B.C.; and we may tabulate the chronology of the two satrapal families as follows[1]:—

	Chhahara and Chukhsa		Mathurā	
	Great Satraps.	*Satraps.*	*Great Satraps*	*Satraps.*
c. 72 B.C.		Liaka		
	[Liaka]	[Pātika]		Rañjubula
c. 30 B.C.	Pātika		Rañjubula	Çoḍāsa
16 B.C.			Çoḍāsa	

In that portion of Pahlava history which comes after the Christian era, the period of the reign of Gondopharnes may be regarded as almost definitely fixed. The date of its beginning appears to be certain; and it is certain also that it lasted for at least 26 years. The evidence for this is supplied by a monument of this king's rule in the Peshāwar District commonly known as the Takht-i-Bahi inscription. It is dated in the 26th year of the king's reign, and on the 5th day of the month Vaiçākha in the year 103[2]. There can be little doubt that the era is the Vikrama saṃvat which began in 58 B.C., and that, therefore, Gondopharnes began to reign in 19 A.D. and was still reigning in 45 A.D.

[1] Takshaçilā copper-plate, Buhler, *Ep Ind.*, IV, p. 54; Mathurā Lion Capital, *Ep. Ind.*, IX, p. 139; Coins of Rañjubula and Çoḍāsa, Rapson, *J.R.A.S.*, 1894, p. 547; Āmohinī votive tablet, Buhler, *Ep. Ind.*, II, p. 199, No. 2 and Plate. Bühler originally read the date as 40 (?) 2. He subsequently corrected this to 70 2 (*Ep. Ind.*, IV, p. 55, note 2); but his original reading seems undoubtedly to be justified by the accompanying Plate, and by his own table of numerals in *Indische Palaeographie*, Plate IX. On grounds of style, Sir John Marshall holds that this votive tablet 'dates from about the beginning of the Christian era'; *v. inf.* Chapter XXVI, p. 633.

For the satrap Zeionises, *v. inf.* p. 582, n. For Hagāmasha and Hagāna, *v. sup.* p. 527. For other satraps commemorated on the Lion Capital see Thomas, *op. cit.*; Fleet, *J.R.A.S.*, 1913, p. 1009; Marshall, *ib.*, 1914, p. 985.

[2] For the reading of the date see Thomas, *J.R.A.S.*, 1913, p. 636.

The king's name is unquestionably Pahlava (Parthian), for the various forms in which it appears on the coins are merely attempts to render local pronunciations of the Persian *Vindapharna*, 'the winner of glory,' in Greek letters. Many of his types are continued from the money of his predecessors, and, like them, may be traced back to Yavana originals (Pll. VII, 32; VIII, 47, 52, 53). They seem to indicate that he succeeded to the dominions of the Pahlavas and Çakas both in eastern Irān and in N.W. India. That he ruled also in the Kābul valley, which was probably annexed before his reign (p. 574), appears to be shown by the large numbers of his coins which were found on its ancient sites by Masson and other explorers at the time when such exploration was still possible.

Coins show also that his immediate predecessor on the throne was Azes II; for the two monarchs are associated with the same *strategos* or 'commander-in-chief,' Aspavarman, son of Indravarman (Pl. VIII, 46 and *Summary*, p. 590)[1].

The Greek title *strategos*, which is the equivalent of the Indian *senāpati*, 'lord of the army,' was inherited by the Çakas and Pahlavas from the Yavanas[2]. Aspavarman is a representative of the Çaka military chiefs[3] who are repeatedly mentioned in the inscriptions of Western India in the second century A.D., when this region was governed by Çaka satraps. The names ending in *-varman* and *-datta* show that they had become Hinduised, and claimed to be Kshatriyas. To this class belongs the Çaka Ushavadāta (Ṛishabhadatta), the brother-in-law of Nahapāna. On the coins of Gondopharnes and on those of his successor, Pacores, we find the name of another of these military governors, Sasas, who no doubt succeeded Aspavarman as commander-in-chief (Pl. VII, 33). The sequence of the *strategoi* thus affords valuable evidence for the order of succession of their sovereigns and for the chronology of the period. Two generations of these military chiefs—Aspavarman and his nephew, Sasas (pp. 580–1)—held office during the reigns of Azes II, Gondopharnes, and Pacores, and for a period which began before 19 A.D. and ended after 45 A.D.

But before he succeeded Azes II as Great King of Kings in India, Gondopharnes had also succeeded him as viceroy of

[1] For the detailed proof see Whitehead, Lahore Mus. Cat., vol. I, *Indo-Greek Coins*, p. 150, note.

[2] For another Greek title which was used in India—*μεριδάρχης*, 'the governor of a province,' see Thomas, *Festgrüss Windisch*, and *J.R.A.S.*, 1916, pp. 279 ff.

[3] For these Çaka families see Lüders, *Sitz. K.P.A.*, 1918, p. 412.

Arachosia. In this subordinate rule he was at one time associated, under the suzerainty of Orthagnes, with Guḍa or Guḍana (Guḍāna) who may perhaps have been his brother (p. 579, Pl. VIII, 51). The coins, on which Orthagnes still appears as chief ruler but with Guḍana alone as his subordinate[1], must no doubt be assigned to the period after Gondopharnes had succeeded Azes II in the sovereignty of N.W. India.

The name of Orthagnes is Pahlava. It is of Persian origin, and the Greek equivalent of *Verethragna*, 'the Victorious.' The type 'Victory' on his coins may be an allusion either to an actual victory or to the king's name. It is used also by Vonones I of Parthia (8–11 A.D.) (Pl. VIII, 50) whose name has a similar meaning—*Vanāna*, 'the Conqueror'; but in this case it would seem undoubtedly to refer to the victory over Artabanus[2].

Most of the coins which Gondopharnes struck either alone (Pl. VII, 32) or together with his nephew, Abdagases (VII, 34), and all of those which he struck in association with his commanders-in-chief, Aspavarman and Sasas (*Summary*, p. 590, and Pl. VII, 33), bear the symbol ☿ which is so characteristic of his rule that it is usually called by his name; and, as this symbol is found countermarked on coins of the Parthian kings Orodes I (57–38 B.C.) and Artabanus III (10–40 A.D.), it is not improbable that Gondopharnes may have conquered some of the Parthian dominions[3]. There can be little doubt that under his sway the Pahlava power attained its height; and it appears probable that this power was now controlled by a single suzerain who reigned supreme over both eastern Irān and N.W. India; for the coins of Gondopharnes bear the types both of Orthagnes (Pl. VIII, 52) and of Azes II (Pl. VIII, 47), and seem to show therefore that he had succeeded to the dominions of both of these suzerains.

The name of Gondopharnes, and possibly those of two princes of his family, Guḍa and Abdagases, have been preserved in connexion with the legends of St Thomas in the literature of the early Christian church. The apocryphal *Acts of Judas Thomas the Apostle*, which contains an account of the ministry of St Thomas in India, exists in Syriac, Greek, and Latin versions; and of these the earliest, the Syriac, is supposed to date from before the middle of the third century A.D. The story, as told in this version, begins:

[1] Whitehead, Lah. Mus. Cat., vol. I, *Indo-Greek Coins*, p. 156, no. 75.

[2] B.M. Cat., *Parthia*, p. 144, Pl. XXIV, 7.

[3] Rapson, *J.R.A.S.*, 1904, p. 677, referring to Cunningham, *Num. Chron.*, 1890, p. 119.

And when all the Apostles had been for a time in Jerusalem......they divided the countries among them, in order that each one of them might preach in the region which fell to him and in the place to which his Lord sent him. And India fell by lot and division to Judas Thomas (or the Twin) the Apostle. And he was not willing to go, saying: 'I have not strength enough for this, because I am weak. And I am a Hebrew: how can I teach the Indians?' And whilst Judas was reasoning thus, our Lord appeared to him in a vision of the night, and said to him: 'Fear not, Thomas, because My grace is with thee.' But he would not be persuaded at all, saying: 'Whithersoever Thou wilt, our Lord, send me; only to India I will not go.' And as Judas was reasoning thus, a certain merchant, an Indian, happened (to come) into the south country from ——[1], whose name was Ḥabbān; and he was sent by the king Gūdnaphar[2], that he might bring to him a skilful carpenter. (Trans. Wright, *Apocryphal Acts of the Apostles*, II, pp. 146–7.)

Because of the unwillingness of St Thomas, our Lord appears, and, claiming him as His servant, sells him to the merchant Ḥabbān for twenty pieces of silver; and St Thomas journeys with Ḥabbān to the court of King Gondopharnes, who orders him to build a palace. St Thomas spends the money of the king in acts of charity—to build a palace not made with hands, immortal in the heavens; and the disappointed king casts St Thomas and the merchant into prison. While they are lying there, Gad, the king's brother, dies, and being carried by the angels to heaven is shown the heavenly palace which St Thomas had built by his good works. Gad is restored to life; and in the sequel both Gondopharnes and Gad are converted.

There can be no question that Gūdnaphar, who is definitely called 'the king of India' (*op. cit.*, p. 159) is to be identified with Gondopharnes; and Gad, 'the brother of the king' (*op. cit.*, p. 162) may possibly be the Guḍa or Guḍana, who is associated with him on coins (Pl. VIII, 51). The legend of St Thomas has thus been furnished with an historical setting which is chronologically possible. The fact of St Thomas's visit to the court of Gondopharnes may be doubted; but the story remains to show that the fame of this king had spread to the West. A still more distant echo of his name, transmitted through its Armenian form *Gathaspar*, has been recognised by von Gutschmid[3] in *Gaspar*, the traditional name of the first of the three wise men who, according to the Gospel story, came from the East to worship Christ at His nativity.

Another apocryphal work, the *Evangelium Ioannis de obitu Mariae* gives the name Labdanes to the sister's son of a king to whom St Thomas went. So far as the form is concerned, *Labdanes*

[1] The name is illegible in the MS., and it is not found in any other version.

[2] Γουνδάφορος in the Greek version.

[3] *Rhein. Museum*, 1864, p. 169.

may well be a corruption of *Abdagases* in the manuscripts; but the identification of the two names is far from certain. The name of the king is not mentioned: he may have been either Gondopharnes or Mazdai, whom St Thomas also visited, and under whom he suffered martyrdom; and moreover the Abdagases of the coin-legends is the brother's son, not the sister's son, of Gondopharnes[1].

As none of the coin-legends of Abdagases bear the imperial title, there is no evidence that he reigned independently at any time. The types suggest that he ruled as the viceroy of Gondopharnes in Irān (Seistān and Kandahār) (Pll. VIII, 54; VII, 34).

There can be no doubt that, soon after the reign of Gondopharnes, the Pahlava power in India came to an end. Some stages in the disintegration of the empire are clearly reflected in the coinage.

The successor of Gondopharnes was Pacores. His coins show that he was undoubtedly suzerain in Irān; for they bear the imperial title together with the type 'Victory' which was first issued by Orthagnes (Pl. VIII, 55; cf. Pl. VIII, 51); and his portrait, combined on coins found at Takshaçilā with the symbol of Gondopharnes and the legend of the commander-in-chief, Sasas, proves that he exercised at least a nominal sway in India (*v. inf.*). The types of another king, Sanabares, with their purely Greek legend, must be attributed to Seistān. There is no evidence of his rule either in Kandahār or India (Pl. VIII, 56).

The passing of Pahlava rule in eastern Gandhāra (Takshaçilā) is illustrated by the remarkable hoard of 21 small silver coins, which was found by Sir John Marshall in an earthern jar on the ancient site of Sirkap. The coins belong to four distinct classes, all hitherto unknown—two belonging to the reign of Gondopharnes, and one each to the reigns of Pacores and V'ima Kadphises.

The first two classes bear the portrait and the symbol of Gondopharnes, with the names respectively of Sapedana and Satavastra and the style 'Great King, King of Kings,' which is only one degree inferior to the most lofty title assumed by Gondopharnes, viz. 'Great King, Supreme King of Kings.' Such a style can only mean that, even in the reign of Gondopharnes, the allegiance of the governors to the suzerain was becoming merely nominal.

The third class has the portrait of Pacores and the symbol of Gondopharnes combined with the legend of Sasas, who uses the subordinate title, 'Great King,' and is described as 'the brother's

[1] Philipps, *Ind. Ant.*, 1903, p. 158.

son of Aspa.' There can be no doubt that this Aspa must be the *strategos* Aspavarman, who held office in the reigns of Azes II and Gondopharnes. During the reign of Gondopharnes he was succeeded by his nephew, Sasas, who was governor of Takshaçilā in the reign of Pacores. The line of *strategoi* was no doubt continued under the suzerainty of the Kushāṇas. It is apparently represented by the coins which bear the title, Σωτὴρ Μέγας, 'The Great Saviour,' and which were formerly attributed to 'the unknown king.'

The fourth class marks the transition from Pahlava to Kushāṇa rule in Gandhāra. The coins show the protrait of the Kushāṇa conqueror, V'ima Kadphises, wearing the conical headdress which distinguishes him, while the legend describes him as 'Great King, Supreme King of Kings, the Kushāṇa Chief'[1].

The chronological limits of the period covered by these coins are clear. Gondopharnes was reigning in the year 45 A.D.; and V'ima Kadphises was reigning in the year 78 A.D. Within these thirty-three years must be included (1) the latter part of the reign of Gondopharnes, (2) the reign of Pacores, and (3) some portion of the reign of V'ima Kadphises.

The period of V'ima Kadphises is determined by the evidence of a Kharoshṭhī inscription discovered by Sir John Marshall in the Chir Tope at Takshaçilā. The inscription is dated on the 5th day of the Indian month Āshāḍha in the year 136. If, as seems almost certain, the era is that which begins in 58 B.C., this date would be equivalent to the year 77-8 A.D., that is to say, the last year in the reign of V'ima Kadphises, according to those scholars who hold that his successor, Kanishka, began to reign in 78 A.D.

According to the interpretation of Sir John Marshall this inscription is actually dated in the era of Azes; for after the year comes the word *ayasa* which, on the coins, is the ordinary Kharoshṭhī equivalent of the Greek AZOY, 'of Azes'[2]. He therefore translates: 'In the year 136 of Azes.' This view is probably correct; and, if so, the discovery is of great importance, as it determines the origin of the so-called Vikrama Era and fixes the beginning of the reign of Azes I in 58 B.C. The bald designation of an era by a king's name without the accompaniment of any royal title has,

[1] For the coins here described see Marshall, *Arch. Sur. of Ind., Annual Report*, 1912-13. (1) *Sapedana*, Pl. XL, 35, nos. 35-39, pp. 50, 51; (2) *Satavastra*, Pl. XL, 41, nos. 40-44, p. 51; (3) *Sasas*, Pl. XL, 27, 29, 30, nos. 27-34, pp. 49, 50; (4) *V'ima Kadphises*, Pl. XL, 45, 46, nos. 45-47, p. 51.

[2] In the inscr. probably = the adjective *āyasa*, '(of the era) of Azes.'

however, appeared so strange to some scholars that they have displayed no slight ingenuity in their endeavours to find some alternative explanation of the word *ayasa*. But it is doubtful if any real difficulty exists. It must be remembered that the inscription belongs to a people that knew not Azes. His family had been deposed and deprived of all royal attributes. The throne of Takshaçilā had passed from the Çakas and Pahlavas to the Kushāṇas. Azes could scarcely have been furnished with his wonted title, 'Great King of Kings,' in this inscription, without prejudice to the house then actually reigning.

The monarch then ruling at Takshaçilā is described in the inscription as 'Great King, Supreme King of Kings, Son of the Gods, the Kushāṇa (Khushana)'; and, although his personal name is not given, there is sufficient evidence to show that he is almost certainly to be identified with V'ima Kadphises, the second king of the Kushāṇa dynasty. His titles—except for the substitution of the ordinary royal designation of the Kushāṇas, 'Son of the Gods,' in place of 'Chief'—are identical with those which occur in the legend of the small silver coins bearing the portrait of V'ima Kadphises (*v. sup.* p. 581); and the first two of these titles, inherited from the Pahlava kings, are included in the style usually assumed by this monarch on other coins. Moreover at the end of the inscription is affixed the symbol (the *triçūla* or *nandipada*) which is likewise characteristic of the coins of V'ima Kadphises[1].

We may conclude, therefore, that the Kushāṇa V'ima Kadphises was ruling over Takshaçilā as the successor of the Pahlava Pacores in 78 A.D.; and this year would appear to have been the last of his reign, since it is also most probably the first in the reign of his

[1] For the inscription, which was discovered in the Chīr stūpa, see Marshall, *J.R.A.S.*, 1914, pp. 978 ff.; Konow, *Ep. Ind.*, xiv, pp. 284 ff., for the coins of V'ima (Ooemo) Kadphises, Gardner, B.M. Cat., *Gk. and Scyth. Kings*, pp. 124–8, Pl. XXV.

Sir John Marshall (*loc. cit.*) prefers to identify the king of the inscription with the first Kushāna, Kujūla Kadphises, on the assumption that both the titles and the symbol occur also on his coins. But the coins to which he refers bear the name not of Kujūla Kadphises, but of Kujūla Kara Kadphises, who was probably another member of the dynasty; see Rapson, *Indian Coins*, § 68. Kujūla Kara Kadphises seems to have succeeded the satrap Zeionises in the kingdom of Pushkalāvatī (*Summary*, p. 588), and he may have been contemporary with V'ima Kadphises.

The royal title, 'Son of the Gods' (*devaputra*), was no doubt brought by the Yueh-chi from their home on the borders of China. It is the usual designation of a king in the Kharoshṭhī inscriptions discovered by Sir A. M. Stein in Chinese Turkestān, see Boyer, Rapson, and Senart, *Kharoṣṭhī Inscriptions*, Part I (Oxford, 1920), p. 76, no. 195. These inscriptions, which belong to the third century A.D., preserve other traces of Kushāṇa rule, e.g. in the proper name, *Kuṣanasena* (*ibid.* p. 2, no. 5).

successor, Kanishka, and the starting point of the era used in the inscriptions of the later Kushāṇa kings.

The chronology of this period has been one of the most perplexing problems in the whole of Indian history; and the problem can scarcely be said to be solved positively even now; that is to say, it has not yet been placed beyond all possibility of doubt. But the evidence obtained by Sir John Marshall from his excavations of the ancient sites of Takshaçilā proves conclusively that the period of Kanishka's reign must have been somewhere about the end of the first century A.D.; and a comparison of this evidence with the statements of Chinese historians and with the dates supplied by inscriptions makes it seem almost certain that Kanishka was the founder of the well-known era which began in 78 A.D.

Some outlines of the early history of the Kushāṇa empire have been preserved by Chinese writers[1]. From these it appears that the Yueh-chi, who drove the Çakas out of Bactria, consisted of five tribes, each governed by a prince bearing the Turkish title which is usually translated as 'Chief'—the *yavuga* of the coins. More than a hundred years after their settlement in Bactria, at a date which, according to Dr Franke, must lie between 25 and 81 A.D. and probably nearer to the first of these limits than to the second, the Chief of one of these tribes, the Kushāṇas, gained the supremacy over the Yueh-chi, and founded a united kingdom which became known by the name of his own tribe. Thus once more Bactria became the nursery of a great power which was destined to dominate N.W. India. History repeated itself; and the Kushāṇas, like their predecessors, the Yavanas, speedily became masters of the adjacent territories lying to the south of the Hindu Kush, that is to say, the modern Southern Afghānistān, or the ancient provinces of the Paropanisadae (Kābul) and Arachosia (Kandahār). These first conquests were made, as the Chinese authorities state definitely, by the first Kushāṇa monarch, who has been identified with Kujūla Kadphises—Kujūla being no doubt a title, like the *Kusūlaka* of the Çaka satrap, Liaka (p. 575), and Kadphises the proper name; and, as they took place after 25 A.D., they were made at the expense of the Pahlava suzerain, who was either Gondopharnes or Pacores. As other evidence will show, their date cannot be much later than the middle of the first century A.D. at the latest.

[1] O. Franke, *Beiträge aus chinesischen Quellen* (1904) in *Abhandlungen d. königl. preuss. Akad.*

Most of the coins of Kujūla Kadphises show clearly both by their types and by their fabric that they were struck in the Kābul valley. They are imitated from the barbarous issues of that region which still continued to reproduce mechanically the legends with the name of the last Yavana king, Hermaeus, long after his death. They are found in enormous numbers beyond the limits of the Kābul valley in Takshaçilā, where the stratification of the objects discovered in the excavations proves unquestionably that, in that district, they are rather later than the coins of Gondopharnes. At first sight the evidence of the finds would thus seem to show that Kujūla Kadphises himself was later in date than Gondopharnes and that he was the actual conqueror of Takshaçilā; but, since the coins in question manifestly come from the Kābul valley, we must suppose rather that they represent the ordinary currency of the Kushāṇas at the time when the invasion took place, and that they were introduced into Takshaçilā as large numbers of Sassanian coins were brought into the country of the lower Indus from Irān by the Hūṇas in the fifth century A.D. It is, therefore, by no means impossible that Kujūla Kadphises may have been not later than, but contemporary with, Gondopharnes; and there is no reason to doubt the statement of the Chinese writers that it was not Kujūla Kadphises, but his son and successor, V'ima Kadphises, who extended the dominions of the Kushāṇas from the Kābul valley to N.W. India.

That this extension had been completed before 64 A.D. appears certain from the evidence of an inscription which was discovered near Panjtār in the Yūsufzai sub-division of the Peshāwar District[1]. It is dated on the first day of the month Çrāvaṇa in the year 122; and there can be no doubt that the era is the same as that which occurs in the Takht-i-Bahi inscription of Gondopharnes, that is to say, the era of Azes which began in 58 B.C. The inscription was set up in the reign of a Kushāṇa (Gushana) who is styled 'Great King'; but, as the personal name of this monarch is not given, he cannot be identified. If he was not V'ima Kadphises himself, he was, as the subordinate title may perhaps indicate, most probably one of his viceroys and possibly the Kara Kadphises whose coins seem to belong to the region in which the inscription was found (p. 582, note).

The precise date at which the Pahlava suzerainty in India came to an end is unknown, but it undoubtedly lies within the comparatively narrow limits marked by the years 45 and 64 A.D.—the

[1] Fleet, *J.R.A.S.*, 1914, p. 372.

last recorded year of Gondopharnes and the earliest mention of a Kushāṇa king on an Indian monument. But the Çakas and Pahlavas, although they had lost the proud predominance which they once held, had by no means ceased to play a part in Indian history. Like the Yavanas, they continue for some centuries to be mentioned in Indian inscriptions in a manner which shows that they still formed organised communities; and there is evidence to show that they still governed their own states, no doubt as feudatories more or less nominal of the Kushāṇas. In the last part of the first century A.D. their original Indian settlements in the country of the Indus delta continued to be ruled by princes of their own race whom the author of the *Periplus* calls Parthian (Pahlava) and describes as turbulent chiefs perpetually engaged in turning one another out[1]. But that these princes of foreign origin who governed the country of the lower Indus had at this period been forced to acknowledge the suzerainty of the Kushāṇas, is proved by the Suë Vihāra inscription in the Bahāwalpur State which is dated in a regnal year of Kanishka (year 11 = 89 A.D.)[2].

It was from this country, too, and under the leadership of Çaka and Pahlava satraps that the Kushāṇa power was extended to Western India; and in this manner were laid the foundations of the kingdom of the Kshatrapas of Surāshṭra and Mālwā, the 'Western Satraps,' who are known in the later Indian literature and inscriptions as 'Çakas.' This kingdom lasted from about the beginning of the second century to the end of the fourth, when it was conquered by the Guptas. The dates which appear on the coins and inscriptions of its princes are all in the era which starts from the beginning of Kanishka's reign in 78 A.D. They range from the year 41 to the year 310 (119–388 A.D.) and form the most continuous and complete chronological series found on the monuments of ancient India. It was in consequence of its long use by the Çaka princes of Western India that the era became generally known in India as the Çaka era—a name which effectually disguises its origin, and one which has in no small degree perplexed modern scholars in their endeavours to unravel 'the secret of Kanishka.'

[1] *Periplus maris Erythraei*, 38. [2] Hoernle, *Ind. Ant.*, 1881, p. 324.

SUMMARY OF NUMISMATIC EVIDENCE FOR THE HISTORY OF THE YAVANA, ÇAKA, AND PAHLAVA INVADERS OF INDIA

(CHAPTERS XXII AND XXIII)

			Plates.
Demetrius	Bilingual square Æ; B.M. Cat., *Gk. and Scyth. Kings*, p. 163, no. 3, Pl. XXX, 3.		
	***Types* '*Elephant's head : Caduceus.*'**		
Demetrius	*Obv.* Head of elephant to r.; bell suspended from neck. *Rev.* ΒΑΣΙΛΕΩΣ ΔΗΜΗΤΡΙΟΥ. Caduceus.	Æ	VI, 1.
Maues	Same types. ΒΑΣΙΛΕΩΣ ΜΑΥΟΥ.	Æ	VI, 2.
Menander	Same *obv.* type; B.M. Cat., p. 50, no. 68, Pl. XII, 6.	Æ	
	Indian types of Pantaleon and Agathocles.		
Pantaleon	B.M. Cat., p. 9, no. 3, Pl. III, 9.	Æ	
Agathocles	B.M. Cat., p. 11, no. 12, Pl. IV, 9.	Æ	
"	Kharoshṭhī legend *Hitajasame*; B.M. Cat., p. 12, no. 15, Pl. IV, 10; Lahore Mus. Cat., vol. I. *Indo-Gk. Coins*, p. 18, Pl. II, 51.	Æ	
	Bactrian types of Antimachus.		
Antimachus	Type 'Poseidon'; B.M. Cat., p. 12, no. 1, Pl. V, 1; *v. sup.* Chapter XVII, p. 449.	AR	III, 8.
"	Commemorative medals; *v. sup.* Chapter XVII, pp. 450–1.	AR	
	Indian types of Antimachus.		
Antimachus	*Obv.* ΒΑΣΙΛΕΩΣ ΝΙΚΗΦΟΡΟΥ ΑΝΤΙΜΑΧΟΥ. Victory l. holding palm and wreath. *Rev.* *Mahārajasa jayadharasa Aṃtimakhasa.* King on prancing horse r.	AR	VI, 3.
	Same rev. type.		
Philoxenus	B.M. Cat., p. 56, no. 3, Pl. XIII, 6.	AR	
Nicias	" p. 58, no. 1, Pl. XIII, 11.	Æ	
Hippostratus	" p. 59, no. 4, Pl. XIV, 2.	AR	
Hermaeus and Calliope	" p. 66, nos. 1, 2, Pl. XV, 9, 10.	AR	
	***Types* '*Apollo : Tripod.*'**		
Apollodotus I	*Obv.* ΒΑΣΙΛΕΩΣ ΑΠΟΛΛΟΔΟΤΟΥ ΣΩΤΗΡΟΣ. Apollo facing, holding arrow in r., and bow in l. hand. *Rev.* *Maharajasa Apaladatasa tradarasa.* Tripod in square of dots.	Æ	VI, 4.
Strato I	*Obv.* ΒΑΣΙΛΕΩΣ ΕΠΙΦΑΝΟΥΣ ΣΩΤΗΡΟΣ ΣΤΡΑΤΩΝΟΣ. Same type. *Rev.* *Mahārajasa pracachasa tratarasa Stratasa.* Same type.	Æ	VI, 5.
Maues	B.M. Cat., p. 72, no. 26, Pl. XVII, 7.	Æ	

Same types varied.

		Plates.
Apollodotus II	*Obv.* ΒΑΣΙΛΕΩΣ ΣΩΤΗΡΟΣ | ΑΠΟΛΛΟΔΟΤΟΥ. Apollo r. holding arrow with both hands. Monogram	VI, 6.
	Rev. Maharajasa tradarasa | *Apuludatasa.* Tripod. Æ	
Dionysius	B.M. Cat., p. 51, no. 2. (Same types but different monogram.) Æ	
Zoilus	B.M. Cat., p. 53, no. 11, Pl. XII, 13. Æ	
Hippostratus	" p. 60, no. 14, Pl. XIV, 7. Æ	
Strato I and II	*Corolla Numismatica*, p. 257, Pl. XII, 16. Æ	

Types 'Elephant : Indian bull.'

Apollodotus I	*Obv.* ΒΑΣΙΛΕΩΣ ΑΠΟΛΛΟΔΟΤΟΥ ΣΩΤΗΡΟΣ. Elephant r.	VI, 7.
	Rev. Maharajasa Apuludutasa tratārasa. Indian bull r. AR	
Heliocles	*Obv.* ΒΑΣΙΛΕΩΣ ΔΙΚΑΙΟΥ ΗΛΙΟΚΛΕΟΥΣ. Same type.	VI, 8.
	Rev. Maharajasa dhramikasa Heliyakreyasa. Same type. Æ	
Maues	*Obv.* ΒΑΣΙΛΕΩΣ ΒΑΣΙΛΕΩΝ ΜΕΓΑΛΟΥ ΜΑΥΟΥ. Similar type.	VI, 9.
	Rev. Rajatirajasa mahatasa Moasa. Same type. Æ	
Azes	B.M. Cat., p. 87, no. 160, Pl. XIX, 7. Æ	
Azilises	" p. 97, no. 40, Pl. XXI, 6. Æ	

Types of the city of Pushkalāvatī, 'City goddess : Indian bull.'

City of Pushkalāvatī	*Obv.* r. *Pakhalavadi devada*; l. illegible Kharoshṭhī legend. City goddess wearing a mural crown and holding a lotus in her r. hand.	VI, 10.
	Rev. above, ΤΑΥΡΟϹ; below, *Uṣabhe.* Indian bull r. AV	
Diomedes	*Obv.* ΒΑΣΙΛΕΩΣ ΣΩΤΗΡΟΣ ΔΙΟΜΗΔΟΥ. The Dioscuri.	VI, 11.
	Rev. Mahārajasa tratārasa Diyumedasa. Indian bull r. Æ	
Epander	B.M. Cat., p. 51, no. 1, Pl. XII, 8 (*Rev.* type 'Indian bull'). Æ	
Philoxenus	B.M. Cat., p. 57, no. 13, Pl. XIII, 10 (Types 'City goddess : Indian bull'). Æ	
Artemidorus	B.M. Cat., p. 54, no. 1, Pl. XIII, 2 (Types 'Artemis : Indian bull'). Æ	
Peucolaus	Lahore Mus. Cat., p. 80, Pl. VIII, 642 (Types 'Artemis : City goddess'). Æ	
Maues	*Obv.* ΒΑΣΙΛΕΩΣ ΒΑΣΙΛΕΩΝ ΜΕΓΑΛΟΥ | ΜΑΥΟΥ. Artemis r.	VI, 12.
	Rev. Rajatirajasa mahatasa | *Moasa.* Indian bull l. Æ	
Azes	B.M. Cat., p. 85, no. 137, Pl. XIX, 5 (Types 'Goddess : Indian bull'). Æ	

		Plates.
Azilises	*J.R.A.S.*, 1905, p. 788, Pl. 2 (*Rev.* type 'City goddess and Zeus'). AR	
Zeionises	B.M. Cat., p. 110, no. 1, Pl. XXIII, 4 (*Rev.* type 'King and City goddess'). AR	
Kujūla Kara Kadphises	B.M. Cat., p. 112, no. 10, Pl. XXIII, 7; cf. *Num. Chron.*, 1892, p. 65, Pl. IV, 9–13 (*Rev.* type 'Camel'). Æ	
	Type attributed to the city of Nicaea, 'Victory.'	
Eucratides	*Obv.* ΜΕΓΑΛΟΥ ΒΑΣΙΛΕΩΣ | ΕΥΚΡΑΤΙΔΟΥ. Bust of king l. thrusting spear.	VI, 13.
	Rev. Maharajasa Evukratitasa. Victory r. Æ	
Menander	*Obv.* ΒΑΣΙΛΕΩΣ ΣΩΤΗΡΟΣ | ΜΕΝΑΝΔΡΟΥ. Bust of king l. thrusting spear.	VI, 14.
	[*Rev.* type 'Athene.'] Æ	
"	*Obv.* Same legend. Bust of Athene (or of Agathocleia) r., wearing helmet.	VI, 15.
	Rev. Mahārajasa tratārasa Menaṃdrasa. Victory r. Æ	
Strato I	[*Obv.* type 'Bust of Heracles r.']	
	Rev. Maharajasa tratārasa Stratasa. Victory r. Æ	VI, 16.
	(For the type 'Victory' see also p. 592.)	
	Type of the city of Bucephala, 'Ox-head.'	
Menander	*Obv.* ΒΑΣΙΛΕΩΣ ΣΩΤΗΡΟΣ ΜΕΝΑΝΔΡΟΥ. Ox-head.	VI, 17.
	Rev. Mahārajasa trātārasa Menaṃdrasa. Tripod. Æ	
	Type 'Athene Promachos.'	
Menander	*Obv.* ΒΑΣΙΛΕΩΣ ΣΩΤΗΡΟΣ | ΜΕΝΑΝΔΡΟΥ. Bust of king r.	VII, 18.
	Rev. Mahārajasa trātārasa | Menaṃdrasa. Athene Promachos l. AR	
Agathocleia and Strato I	*Obv.* ΒΑΣΙΛΕΩΣ ΣΩΤΗΡΟΣ ΣΤΡΑΤΩΝΟΣ | ΚΑΙ ΑΓΑΘΟΚΛΕΙΑΣ. Busts of Strato and Agathocleia jugate r.	VII, 19.
	[*Rev.* type 'Athene Promachos.'] AR	
Strato I	*Obv.* ΒΑΣΙΛΕΩΣ ΣΩΤΗΡΟΣ ΚΑΙ ΔΙΚΑΙΟΥ | ΣΤΡΑΤΩΝΟΣ. Bust of king r., wearing helmet.	VII, 20.
	[Same *rev.* type.] AR	
"	*Obv.* ΒΑΣΙΛΕΩΣ ΣΩΤΗΡΟΣ ΔΙΚΑΙΟΥ | ΣΤΡΑΤΩΝΟΣ. Bust of king r., bearded.	VII, 21.
	[Same *rev.* type.] AR	
"	B.M. Cat., p. 40, no 7, Pl. X, 13. (Same legends and types. The king represented as an old man.) AR	
Polyxenus	Lahore Mus. Cat., p. 53, Pl. V, 371. (Same types.) AR	
Apollodotus II	*Obv.* ΒΑΣΙΛΕΩΣ ΣΩΤΗΡΟΣ | ΑΠΟΛΛΟΔΟΤΟΥ. Bust of king r.	VII, 22.
	Rev. Maharajasa tratarasa | Apaladatasa. Athene Promachos. Monogram [monogram] AR	

		Plates.
Dionysius	B.M. Cat., p. 51, no. 1, Pl. XII, 9. (Same types and monogram.) Æ	
Zoilus	B.M. Cat., p. 52, no. 3, Pl. XII, 11. (Same types and monogram.) Æ	
Apollophanes	B.M. Cat., p. 54, no. 1, Pl. XIII, 1. (Same *rev.* type.) Æ	
Strato I and II	*Obv.* ΒΑСΙΛΕΩС СΩΤΗΡС СΤΡΑΤΩΝС [ΚΑΙ ΦΙΛΟ] | СΤΡΑΤΩΝС. Bust of king r.	VII, 23.
	Rev. Maharajanaṃ tratarasa Stratasa potrasa casa priyapita- | Stratasa. Athene Promachos l. Æ	
Azes I	B.M. Cat., p. 78, no. 56, Pl. XVIII, 2. (Same *rev.* type.) Æ	
Bhadrayaçasa	*Corolla Num.*, p. 258, Pl. XII, 17. (Same types.) Æ	
Rañjubula	*Obv.* ΒΑСΙΛΕΙ ΒΑСΙΛΕѠС СѠΤΗΡΟС ΡΑΞΥ. Bust of king r.	VII, 24.
	Rev. Apratihatacakrasa chatrapasa Rajubulasa. Athene Promachos l. Æ	
Gondopharnes	B.M. Cat., p. 103, no. 5, Pl. XXII, 7. (Same types, degraded.) Æ	

Type 'Heracles seated.'

Euthydemus	Bactrian coins; *v. sup.* Chapter XVII, p. 444. Æ	III, 1, 2.
Agathocleia and Strato I	*Obv.* ΒΑΣΙΛΙΣΣΗΣ ΘΕΟΤΡΟΠΟΥ ΑΓΑΘΟ-ΚΛΕΙΑΣ. Bust of queen (as Athene) r., wearing helmet.	VII, 25.
	Rev. Maharajasa tratārasa dhramikasa Stratasa. Heracles seated l. on rock. Æ	
Azilises	B.M. Cat., p. 95, no. 23, Pl. XXI, 1. (Same *rev.* type.) Æ	
Spalyris and Spalagadames	B.M. Cat., p. 100, no. 1, Pl. XXI, 12. (Same *rev.* type.) Æ	

Type 'Heracles standing.'

Demetrius	Bactrian coins; *v. sup.* Chapter XVII, pp. 444–5. Æ	III, 3.
Lysias	*Obv.* ΒΑΣΙΛΕΩΣ ΑΝΙΚΗΤΟΥ | ΛΥΣΙΟΥ. Bust of king r., wearing elephant's scalp.	VII, 26.
	Rev. Maharajasa apaḍihatasa | Lisikasa. Heracles standing. Æ	
Maues	B.M. Cat., p. 69, no. 8, Pl. XVI, 5. (*Obv.*) Æ	
Azes	" p. 89, no. 187, Pl. XIX, 11. (*Obv.*) Æ	
Azilises	" p. 96, no. 39, Pl. XXI, 5. (*Obv.*) Æ	
Vonones and Spalahores	*Obv.* ΒΑΣΙΛΕΩΣ ΒΑΣΙΛΕΩΝ ΜΕΓΑΛΟΥ | ΟΝ-ΩΝΟΥ. Heracles standing.	VII, 27.
	[*Rev. Mahārajabhrata dhramikasa | Çpalahorasa.* Athene standing l.] Æ	
Vonones and Spalagadames	B.M. Cat., p. 99, no. 6, Pl. XXI, 11. (*Obv.*) Æ	
Hermaeus and Kujūla Kadphises	[*Obv.* ΒΑΣΙΛΕΩΣ ΣΤΗΡΩΣΣΥ | ΕΡΜΑΙΟΥ. Bust of king r.]	
	Rev. Kuyulakasasa kuṣanayavugasa dhramaṭhidasa. Heracles standing. Æ	VII, 28.

Type 'Zeus standing.'

		Plates.
Heliocles	[*Obv.* ΒΑΣΙΛΕΩΣ ΔΙΚΑΙΟΥ | ΗΛΙΟΚΛΕΟΥΣ. Bust of king r.] *Rev. Mahārajasa dhramikasa* | *Heliyakreyasa.* Zeus standing facing. AR	VII, 21
Azes	[*Obv.* ΒΑΣΙΛΕΩΣ ΒΑΣΙΛΕΩΝ ΜΕΓΑΛΟΥ | ΑΖΟΥ. King r., on horseback.] *Rev. Maharajasa rajarajasa mahatasa* | *Ayasa.* Zeus standing facing. AR	VII, 30
Vonones and Spalahores	*Obv.* ΒΑΣΙΛΕΩΣ ΒΑΣΙΛΕΩΝ ΜΕΓΑΛΟΥ | ΟΝ-ΩΝΟΥ. King r., on horseback. *Rev. Mahārajabhrata dhramikasa* | *Çpalahorasa.* Zeus standing facing. AR	VII, 31
Vonones and Spalagadames	B.M. Cat., p. 99, no. 2, Pl. XXI, 10. (Same types.) AR	
Spalirises as king's brother	„ p. 100, no. 1, Pl. XXII, 1. (Same types.) AR	
Spalirises and Azes II	„ p. 102, no. 3, Pl. XXII, 3. (Same types.) AR	
Azilises	„ p. 93, no. 1. Pl. XX, 4. (*Rev.* type 'Zeus standing r.') AR	
Gondopharnes	*Obv.* ΒΑCΙΛΕШΙCΙΛΕШΝ ΜΕΓΑΛΙ | VΝΔΟΦΡΡ. King r., on horseback. Symbol ☿. *Rev. Maharaja rajatiraja tratara devavrata* | *Gudapharasa.* Zeus standing r. AR	VII, 32
Gondopharnes and Aspavarman	Lahore Mus. Cat., p. 150, Pl. XV, 35. (*Obv.* type 'King l., on horseback.' Symbol ☿. *Rev.* type 'Zeus standing r.') Bil.	
Gondopharnes and Sasas	*Obv.* Gk. legend corrupt. King r., on horseback. Same symbol. *Rev. Maharajasa mahatasa devavratasa Gadapharasa* | *Sasasa.* Zeus standing r. AR	VII, 33
Gondopharnes and Abdagases	*Obv.* Gk. legend includes [ΓV]ΝΔΙΦΕΡΟ ΑΔΕΛΦΙ-[ΔΕωC] King l., on horseback. Same symbol. *Rev. Gudapharabhradaputrasa maharajasa tradārasa* | *Avadagaçasa.* Zeus standing r. AR	VII, 34

Types 'Bust of king : Elephant.'

Heliocles	*Obv.* ΒΑΣΙΛΕΩΣ ΔΙΚΑΙΟΥ ΗΛΙΟΚΛΕΟΥΣ. Bust of king r. *Rev. Mahārajasa dhramikasa Heliyakresasa.* Elephant l. Æ	VII, 35
Antialcidas	B.M. Cat., p. 166, no. 1. (*Rev.* type 'Elephant r.') Æ	

Type of the city of Kāpiçī, 'Zeus enthroned, with emblems representing an elephant and a mountain.'

Eucratides	*Obv.* ΒΑΣΙΛΕΩΣ ΜΕΓΑΛΟΥ ΕΥΚΡΑΤΙΔΟΥ. Bust of king r., wearing helmet. *Rev. Kaviçiye nagara devatā.* Zeus enthroned; l., forepart of elephant; r., mountain. Æ	VII, 36

		Plates.
Antialcidas	B.M. Cat., p. 25, no. 5, Pl. VII, 11. (*Obv.* Bust of king. *Rev.* Same type without mountain.) AR	
Maues	B.M. Cat., p. 70, no. 14. (*Obv.* Zeus enthroned; l., forepart of elephant. *Rev.* Heracles standing.) Æ	

Type 'Zeus enthroned' without emblems.

Heliocles	B.M. Cat., p. 166, no. 2, Pl. XXXI, 1. (*Rev.* Zeus enthroned and Greek legend.) AR	
Amyntas	B.M. Cat., p. 61, no. 3, Pl. XIV, 10. (*Rev.* Zeus enthroned and Kharoshṭhī legend.) AR	
Hermaeus	*Obv.* ΒΑΣΙΛΕΩΣ ΣΩΤΗΡΟΣ | ΕΡΜΑΙΟΥ. Bust of king r.	VII, 37.
	Rev. Mahārajasa tratārasa | *Heramayasa.* Zeus enthroned. AR	
"	B.M. Cat., p. 65, no. 45. (Same types, degraded, Gk. leg. ΒΑΣΙΛΕΩΣ ΣΤΗΡΟΣΣΥ | ΕΡΜΑΙΟΥ.) Æ	
Spalirises	*Obv.* ΒΑϹΙΛΕΩΝ ΒΑϹΙΛΕΩϹ ΜΕΓΑΛΟΥ | ϹΠΑΛΙΡΙϹΟΥ. King standing l.	VII, 38.
	Rev. Maharajasa mahaṃtakasa Çpaliriçasa. Zeus enthroned. Æ	

Type 'Dioscuri.'

Eucratides	*Obv.* ΒΑΣΙΛΕΩΣ ΜΕΓΑΛΟΥ | ΕΥΚΡΑΤΙΔΟΥ. Bust of king r., wearing helmet.	VIII, 39.
	Rev. Maharajasa Evukrātitasa. Dioscuri charging r. Æ	
Diomedes	*Obv.* ΒΑΣΙΛΕΩΣ ΣΩΤΗΡΟΣ | ΔΙΟΜΗΔΟΥ. Bust of king r., wearing helmet.	VIII, 40.
	Rev. Maharajasa tratarasa | *Diyumedasa.* Dioscuri charging r. AR	

Type of the region of Takshaçilā, 'Pilei of the Dioscuri.'

Eucratides	*Obv.* Bust of king r., wearing helmet.	VIII, 41.
	Rev. ΒΑΣΙΛΕΩΣ ΕΥΚΡΑΤΙΔΟΥ. Pilei of the Dioscuri. AR	
Liaka	*Obv.* Same type.	VIII, 42.
Kusūlaka	*Rev.* ΛΙΑΚΟ ΚΟΖΟΥΛΟ. Same type. AR	
Antialcidas	*Obv.* ΒΑΣΙΛΕΩΣ ΝΙΚΗΦΟΡΟΥ | ΑΝΤΙΑΛΚΙΔΟΥ. Bust of Zeus r.	VIII, 43.
	Rev. Maharajasa jayadharasa | *Aṃtialikitasa.* Same type. Æ	
Lysias and Antialcidas	B.M. Cat., p. 166, no. 1, Pl. XXXI, 2. (*Obv.* Bust of Heracles r. *Rev.* Same type.)	
Archebius	*Obv.* ΒΑΣΙΛΕΩΣ ΔΙΚΑΙΟΥ ΝΙΚΗΦΟΡΟΥ ΑΡΧΕΒΙΟΥ. Bust of Zeus r.	VIII, 44.
	Rev. Mahārajasa dhramikasa jayadharasa Arkhebiyasa. Same type. Æ	

Type 'Athene.'

Azes II	*Obv.* ΒΑΣΙΛΕΩΣ ΒΑΣΙΛΕΩΝ ΜΕΓΑΛΟΥ | ΑΖΟΥ. King r., on horseback.	VIII, 45.

		Plates.
	Rev. *Mahar̄ajasa rajarajasa mahatasa* | *Ayasa.* Athene standing r. AR	
Azes II and Aspavarman	*Obv.* Same legend and type.	VIII, 46
	Rev. *Imdravarmaputrasa Aςpavarmasa strategasa* | *jayatasa.* Same type. Bil.	
Gondopharnes	*Obv.* BACIΛЄΩC BACIΛЄΩN MЄΓΑΛ· | ΥΝΔΟ-ΦЄPPO. Same type and symbol ☿.	VIII, 47
	Rev. *Maharaja rajatiraja tratara devavrata* | *Gudapharasa.* Same type. AR	
	Type 'Victory' (see also p 588).	
Maues	*Obv.* ΒΑΣΙΛΕΩΣ ΒΑΣΙΛΕΩΝ ΜΕΓΑΛΟΥ | ΜΑΥΟΥ. Zeus standing l.	VIII, 48.
	Rev. *Rajatirajasa mahatasa* | *Moasa.* Victory standing r. AR	
Azes I	*Obv.* ΒΑΣΙΛΕΩΣ ΒΑΣΙΛΕΩΝ ΜΕΓΑΛΟΥ | ΑΖΟΥ. Same type.	VIII, 49
	Rev. *Maharajasa rajarajasa mahaṃtasa* | *Ayasa.* Same type. AR	
	(This type on the coins of Maues and Azes I is perhaps to be attributed to Nicaea, *r. sup.* Pl. VI, 13, 15, 16.)	
Vonones I of Parthia	*Obv.* BAСIΛEYС BAСIΛEΩN ONΩNHС. Bust of king l.	VIII, 50.
	Rev. BAСIΛEΩС BAСIΛEΩN ¦ APСAKOY EYEPΓETOY ¦ ΔIKAIOY ¦ EΠIΦANOYС ΦIΛEΛΛHNOС. Victory standing l. AR	
Orthagnes, Gondophernes, and Guḍa	*Obv.* BACIΛEYC BACIΛЄΩN MЄΓAC OPΘAΓNHC. Bust of king l.	VIII, 51.
	Rev. *Maharajasa rajatirajasa mahatasa Gudapharasa Guḍa* [*sa* or *na* ?]. Victory standing r. Æ	
Gondopharnes	*Obv.* Fragmentary Greek legend. King seated on throne (cf. 'Zeus enthroned,' Pl. VII, 37, 38).	VIII, 52.
	Rev. Fragmentary Greek legend. Same type. Æ	
"	*Obv.* BAСIΛEΩС СΩTHPOС YNΔOΦEPPOY. Bust of king r.	VIII, 53.
	Rev. *Maharajasa Gudapharnasa tratarasa.* Same type. Æ	
Abdagases	*Obv.* BACIΛЄΩC CΩTHPOC ABΔAΓACOY. Similar type.	VIII, 54.
	Rev. *Tratarasa maharajasa Avadagaçasa.* Same type. Æ	
Pacores	*Obv.* BACIΛЄYC BACIΛЄΩN MЄΓAC ΠAKOPHC. Bust of king l.	VIII, 55.
	Rev. *Maharajasa rajatirajasa mahatasa Pakurasa.* Same type. Æ	
Sanabares	*Obv.* Imperfect Greek legend beginning ΒΑΣΙΛΕΥΣ. Similar type.	VIII, 56.
	Rev. Gk. legend including СANABAPOY. Same type. Æ	

CHAPTER XXIV

THE EARLY HISTORY OF SOUTHERN INDIA

I. THE DRAVIDIAN PEOPLES

THE great peninsula of India, from the Vindhya mountains southward to Comorin, is the home of the 'Dravidian' peoples. And here at the outset we are faced by a difficulty of terms.

The word 'Dravidian' comes from an ethnic name *Draviḍa* or *Dramiḍa*, in Pali *Damiḷa*, which is apparently identical in origin with the adjective *Tamil*; and thus a title which is strictly applicable only to a single branch, the Tamils, is extended to a whole family. Again, not only is the term 'Dravidian' used sometimes to denote all the members of the one ethnic family, but it is also often employed to designate all the cognate languages spoken by that family—the Tamil, Malayālam, Telugu, Kannada (Kanarese), and various minor dialects—without regard to the possible differences of race among the groups speaking these tongues; and furthermore, by a still more deplorable looseness of terminology, it has been applied by anthropologists to a group of races characterised by common physical features[1], who are chiefly inhabitants of the peninsula, and for the most part, but by no means entirely, use languages which are variants of Dravidian speech. Lastly, we must note that an ancient Tamil tradition speaks of a *pañcha-draviḍam* or five Dravidian regions, understanding thereby the Tamil, Andhra or Telugu, and Kanarese countries, the Mahārāshṭra or Marāthā provinces, and Gujarāt. The conclusion which is suggested by a review of all the available data is as follows.

At some very early date, several millennia before the Christian era, the greater part of India was inhabited by a dark negroid race of low culture characterised more or less by the physical features now known as 'Dravidian.' This early people however

[1] These features are very dark hue; long head; broad nose; abundant and sometimes curly hair; and dark eyes.

should more properly be termed *pre-Dravidian*. In course of time another race, higher in culture and speaking a language of 'Scythian' affinities, from which are derived the tongues now known as 'Dravidian,' gradually made its way from the north or north-west—probably through Baluchistān—into the plain of the Indus, and thence ultimately passed down into the regions south of the Vindhya. This race may be called the *proto-Dravidian*. Wherever it came, it mixed its blood to a greater or less degree with that of the earlier inhabitants. From this combination have arisen the Dravidians of history, who have preserved few traces of the physical characteristics of the proto-Dravidians, whatever those may have been[1]. Most of the pre-Dravidian tribes in the countries south of the Vindhya adopted the speech of the proto-Dravidians, while they absorbed their blood, notably in the centre and south of the peninsula, the Tamil, Kannada, and Telugu regions. In Gujarāt the waves of Āryan immigration gradually submerged Dravidian blood and speech; in Mahārāshṭra the same influences obliterated the language, and the same has happened in Kaliṅga (now Orissa and part of the Circārs), where a Dravidian language, the Telugu, survives only in the southern districts.

Long before the beginning of the Christian era the Dravidian South had developed a considerable culture of its own, and its inhabitants had consolidated themselves into powerful kingdoms, some of which carried on a thriving trade with Western Asia, Egypt, and later with the Greek and Roman empires[2]. The chief of these were the three Tamil kingdoms, the Andhras, Kaliṅgas, and Mahārāshṭra.

II. THE TAMIL KINGDOMS

The Tamils have retained more tenaciously than any of their kindred the ancient traditions of the proto-Dravidian race. True, they have written no histories until modern times; but they have preserved a large number of ancient poems relating to the exploits

[1] It is possible that the 'Scythian' features that have been observed among the Marāthā Brāhmans, Kunbis, Coorgs, and Telugus may be survivals of proto-Dravidian characteristics. For other views see Chapter II, pp. 40 ff.

[2] The Tyrians apparently imported thence ivory, apes, and peacocks (Tamil *tōgai*, Greek *ταώς*), as we know from I Kings x, 22 and II Chronicles ix, 21. Somewhat later we find India—to a large extent Southern India—exporting pepper (*πέπερι*, Tamil *pippali*), rice (*ὄρυζα*, Tamil *ariçi*), ginger (*ζιγγίβερις*, Tamil *iñji-vēr*) and cinnamon (*κάρπιον*, Tamil *karuppu* or *kārppu*), besides spices, precious stones, coral, pearls, cloth, muslin, [illegible], tortoise-shell, etc. See J. Kennedy, *The Early Commerce of India with Babylon*, *J.R.A.S.*, 1898, pp. 241 ff.

and administration of kings and princes in an age far earlier than the oldest existing literature of their Dravidian neighbours.

In the earliest time of which we have any record the *Tamil-agam* or Tamil realm extended over the greater part of the modern Madras Presidency, its boundaries being on the north a line running approximately from Pulicat on the coast to Venkatagiri (Tirupati), on the east the Bay of Bengal, on the south Cape Comorin, and on the west the Arabian Sea as far north as the 'White Rock' near Badagara, to the south of Mahé. Malabar was included in it; the Malayālam language had not yet branched off as a separate tongue from the parent Tamil. It consisted of three kingdoms, those of the Pāṇḍyas, Chōḷas or Çōḷas, and Chēras or Kēralas. The Pāṇḍya kingdom comprised the greater part of the modern Madura and Tinnevelly Districts, and in the first century also Southern Travancore, and had its capital originally at Kolkai (on the Tāmbraparni river in Tinnevelly), and later at Madura. The Chōḷa region extended along the eastern coast, from the river Penner to the Vellār, and on the west reaching to about the borders of Coorg. Its capital was Uraiyūr (Old Trichinopoly), and it had a great port at Kāviri-paṭṭinam or Pugār, on the northern bank of the river Cauvery (Kāveri). Another of its chief towns was Kāñchī, now Conjeeveram. The Chēra or Kērala territory comprised Travancore, Cochin, and the Malabar District; the Koṅgu-deça (corresponding to the Coimbatore District and the southern part of Salem District), which at one time was separate from it, was afterwards annexed to it. Its capital was originally Vañji (now Tiru-karūr, on the Periyār river, near Cochin), and later Tiru-vañjikkalam (near the mouth of the Periyār). It had important trading centres on the western coast at Toṇḍi (on the Agalappulai, about five miles north of Quilāndi), Muchiri (near the mouth of the Periyār), Paḷaiyūr (near Chowghāt), and Vaikkarai (close to Kottayam).

The races within these bounds were various. To the oldest stratum of pre-Dravidian blood probably belonged the savages termed by the ancient poets *Villavar* ('bowmen') and *Mīnavar* ('fishers'), of whom the former may possibly be identical with the modern Bhīls, while the latter may have descendants in the Mīnās. Another group is that termed by the poets *Nāgas*, a word which in Hindu literature commonly denotes a class of semi-divine beings, half men and half snakes, but is often applied by Tamil writers to a warlike race armed with bows and nooses and famous as free-booters. Several tribes mentioned in early literature are known

with more or less certainty to have belonged to the Nāgas, among them being the Aruvāḷar (in the Aruvā-nāḍu and Aruvā-vaḍatalai around Conjeeveram), Eyinar, Maṟavar, Oḷiyar, and Paradavar (a fisher tribe). A race of uncertain affinity was that of the Āyar, who in many respects resembled the Abhīras of Northern India, and seem to have brought into the south the worship of the herdsman-god Kṛishṇa.

The overlords of the Tamiḻ-agam were the descendants of the proto-Dravidian invaders, the Tamils in the strict sense of the term. They with the races subject to them formed the three kingdoms of the Pāṇḍyas, Chōḷas, and Chēras, where the ruling element was the land-tilling class or Veḷḷālar, at the head of whom were the kings. The Pāṇḍya king claimed descent from a tribe styled Māṟar, which however had for many years another important representative in the princes bearing the title Paḻaiyan Māṟan, 'the Ancient Māṟan,' whose capital was Mōgūr, near the Pōdiya Hill, not far from Comorin. The Chōḷa kings were alleged to belong to the tribe of Tiraiyar or 'Men of the Sea'; another Tiraiyan dynasty was reigning at Conjeeveram in the time of Karikāl Chōḷa. The Chēra kings in their turn were said to be of the Vānavar tribe. Lastly we may mention a tribe called Kōçar, who may possibly belong to the Tamil race. From the references of the poets to them it would seem that they once made an unsuccessful attack on Mōgūr, and found allies in the Vamba-Mōriyar or 'Bastard Mauryas' (possibly a branch of the Konkani Mauryas). At one time—possibly in the first century A.D.—they seem to have wielded considerable authority in the Pāṇḍyan regions and Koṅgu-deça, and to have given some trouble to the Chōḷas.

Even in the first century of the Christian era the south seems to have felt little influence from the Āryan culture of Northern India. Some Brāhman colonies had made their way into the south, and in a few cases Brāhmans had gained there a certain position in literature and religion; but on the whole they counted for little in the life of the people, especially as their teachings were counterbalanced by the influence of the powerful Buddhist and Jain churches, and Dravidian society was still free from the yoke of the Brāhman caste-system[1]. Next to the *arivar* or sages, the highest place among the Tamils was held by the land-owning

[1] The tradition that the Brāhman sage Agastya led the first Āryan colony to the Pādiya Hill and created Tamil literature probably arose in a later age, after Brāhman influences had gained the ascendant in the south, on the basis of the legends in the Sanskrit epics.

class, after whom ranked herdsmen, hunters, artisans, soldiers, and at the bottom of the social scale fishers and scavengers. Government was under the supreme control of the kings; but they were considerably influenced by the 'Five Great Assemblies,' bodies representative of five classes of society[1]. Probably there was also some organisation of the provinces for local administration, as we find in historical times that each shire or *nāḍu* was divided into village communities and its representatives met in a shire-mote of several hundred men representing the families of the *nāḍu*, which possessed considerable power in the control of local affairs.

Before the first century of the Christian era there are very few allusions in the literature and historical records of other nations that testify to the vigorous life of these southern kingdoms. Of the evidence of their commerce with the west we have already spoken (above, p. 594). Megasthenes, who visited the court of Chandragupta the Maurya towards the end of the 4th century B.C., has left on record some rumours concerning them, including a legend that Heracles (i.e. the god Çiva) put the south under the rule of his daughter 'Pandaia.' The Sanskrit epics mention them vaguely, as foreign lands outside their purview, though the legendary connexion of the Pāṇḍyan kings of Madura with the Pāṇḍava heroes of the Mahābhārata seems to have been acknowledged in the north as early as the second century B.C., if any reliance is to be placed on the scholion to Pāṇini IV, 1, 168. Açoka in his inscriptions speaks of them among the foreign nations who have accepted the teachings of Buddhism[2]. Lastly, Strabo (XV, 4, 73) makes mention of an embassy sent to Augustus Caesar about the year 22 B.C. by a king 'Pandion,' possibly a Pāṇḍya of the Tamil country. Even in the next century the history of the Tamils is sadly obscure. Ancient Tamil poems and the commentaries upon them, supplemented by meagre notices in Pliny and other western writers, are almost the only sources of information, and their data are very uncertain. It seems however fairly probable that the course of events was as follows.

[1] The actual constitution of these *Aim-berum-guḻu* is rather uncertain. They are said to have been composed of ministers, chaplains, generals, commissioners, and secret agents (e.g. by Aḍiyārkku-nallār on *Çilapp'-adhikāram*, v, 157; but see *ibid.* on III, 126).

[2] The references in the edition of Senart are as follows: Chēras, G. II, XIII, K. II, Kh. II; Chōḻas, G. II, J. II, K. XIII, Kh. II, XIII; Pāṇḍyas, G. II, J. II, K. XIII, Kh. II, XIII. The Chōḻas also appear in the scholion on Pāṇini IV, 1, 175 (possibly dating from the second century B.C.).

About the beginning of the Christian era the Chōḷa king was Peru-naṟ-kiḷḷi and the Chēra Neḍuñ-jēral-ādan. They went to war with one another, and both perished in the same battle. Peru-naṟ-kiḷḷi was succeeded by his son Iḷañ-jēṭ-çenni, the latter by his son Karikāl, a vigorous ruler under whom the Chōḷas became the leading power of the south. Karikāl at Veṇṇil (possibly the modern Koyilvenni, in Tanjore District) defeated an allied army of Chēras under Ādan I and Pāṇḍyas, and made a successful expedition to the north. At home he suppressed the turbulent Āyar, Aravāḷar, Kurumbar, and Oḷiyar, and made his capital at Kāviri-paṭṭinam or Pugār, which he secured against floods by raising the banks of the Cauvery and constructing canals.

After his death the Chōḷa kingdom suffered grievously from rebellion within and attack from without. The course of events is obscure; apparently Neḍu-muḍu-kiḷḷi, who was reigning some time after him, gained a victory over the allied Chēras and Pāṇḍyas by the river Kāri, but later was reduced to sore straits by a flood which destroyed Kāviri-paṭṭinam and by an insurrection. He was however released from his difficulties by the aid of his kinsman the Chēra Çeṅ-guṭṭuvan, the son of Ādan II by a daughter of Karikāl, who defeated the rebellious Chōḷas at Nēri-vāyil and restored Neḍu-muḍu-kiḷḷi. By Çeṅ-guṭṭuvan the Chēra kingdom was raised to the hegemony of the south, and this position it maintained as long as he lived. The defeat of his successor Çēy (Yānai-kaṭ-çēy) at Talaiy-ālaṅgānam by the Pāṇḍya king Neḍuñ-jeliyan II made the Pāṇḍyas the premier power until the rise of the Pallavas. Neḍuñ-jeḷiyan II was the son of Veṟṟi-vēṟ-çeḷiyan or Iḷañ-jeḷiyan, and grandson of Neḍuñ-jeḷiyan I, who is reputed to have defeated an Āryan army of unknown *provenance*.

III. The Andhras or Telugus

The tribe of the Andhras, now known by the name of Telugus[1], appears early in Sanskrit literature[2]. But these references are very vague, and only tell us that the Andhras were a non-Āryan people of some importance in the north-east of the Deccan. It may be inferred that their home then, as now, included the modern Telingāna—the provinces along the eastern coast between the

[1] The word *Telugu*, *Teluṅgu*, *Tenuṅgu*, is of uncertain derivation. Native scholars derive it from the Sanskrit *trailiṅga*, 'belonging to the Triliṅga' or land of the Three Phallic Emblems, a title sometimes given to the Telugu country, or from the Telugu word *tene* 'honey.' It seems more likely to be from *ten*, 'south,' and to mean 'southern' (probably from the standpoint of Kaliṅga).

[2] It is found in the *Aitareya Brāhmaṇa* (VII, 18) and the epics, and often later.

deltas of the rivers Godāvari and Kistna—together with as much of the Circārs as they could hold against the rival kingdom of Kaliṅga on the north. More light is thrown upon them by the statements recorded by Pliny, *H.N.* VI, 19 (22), from which it would appear that some time before the first century A.D., perhaps in the age of Chandragupta the Maurya, they formed an independent kingdom and that they possessed 30 fortified towns and an army estimated at 100,000 infantry, 2000 horsemen, and 1000 elephants. Their earliest capital, according to the current view, was Çrī-kākulam (now probably Sreewacolum on the Kistna, some nineteen miles west from Masulipatam)[1]. Somewhat later we find them with a capital at Dhānya-kaṭaka (Dharanikōta or Amarāvati on the Kistna, in the Guntūr District), and in the first century A.D. again with the centre of their western provinces at Pratishṭhāna (Paithan on the Godāvari, in North-western Hyderābād). How far their territories in the earlier period stretched westward into Central India and the Deccan is unknown; their extent probably varied from time to time. Açoka mentions them in his catalogues of the foreign countries which, according to him, had espoused his doctrine[2]; but there is nothing to show that the Andhras were in any sense subject to him. Soon after his death however their history entered upon a new phase, on which considerable light is thrown by coins, inscriptions, and literature.

After the death of Açoka the Maurya empire rapidly decayed, and neighbouring rulers were left free to indulge their ambitions and enlarge their boundaries. Among these was a certain Simuka, who in the last quarter of the third century B.C. established the powerful Sātavāhana or Çātakarṇi dynasty, which ruled the Telugu country for nearly five centuries[3]. In his reign or in the reign

[1] This is however denied by Mr P. T. Srinivas Iyengar, *Ind. Ant.*, 1913, pp. 276 ff.

[2] G. XIII and K. XIII, ed. Senart.

[3] The origin and the meaning of the name of this dynasty are obscure. Usually the word *Çātakarṇi* is regarded as a patronymic from an assumed *Çata-karṇa*, 'Hundred-Ears,' which however is found nowhere; more probably it is connected with *Sāta-vāhana*, which means 'having for emblem the *sāta*.' One is tempted to connect them with the Sātiya-putas mentioned by Açoka (inscr. II), the Setae to whom Pliny alludes directly after his description of the Andhras, and the tribe of the Sātakas (*Epigr. Ind.* vol. X, App. no. 1021) or Çātakas (*Mārkaṇḍeya Purāṇa*, LVIII, 46). The inscriptions give the following forms of the name: *Sātakaṇi*, *Satakani*, *Sadakaṇi*, *Sāta*, *Sada*, and *Sati*. If the identification with the Sātiya-putas is right, it would seem that the Çātakarṇis were originally a tribe living outside the borders of the Andhra country, perhaps on the west of it, who about a generation after Açoka made themselves masters of the Andhradeça and played in it a part like that of the Normans in England. Mr V. S. Sukthankar (*On the Home of the so-called Andhra Kings*, Annals of the Bhandarkar Institute, I, i, pp. 21 ff.) seeks with much probability to locate their original home in the Bellary District.

of his immediate successor, his younger brother Krishṇa (vernacularly Kaṇha), the Andhra empire spread westward to at least 74' long., and possibly even to the Arabian Sea[1]. Under these early Sātavāhana kings the boundaries of the Andhra dominions were enlarged so as to include a great part, if not the whole, of Vidarbha (Berār), the Central Provinces, and Hyderābād. A conflict between this formidable power and the declining Çuṅga empire of Magadha was inevitable; and about 170 B.C. war broke out between Agnimitra, ruling as viceroy of his father Pushyamitra at Vidiçā (Bhīlsa), and the king of Vidarbha, who at this period must almost certainly have been a feudatory of the Andhras[2]. The campaign against Vidarbha is the only event in the struggle which is mentioned in literature; and in this the Çuṅgas were successful. There can, however, be no doubt that the Andhras were ultimately victorious. Although no detailed records have been preserved, coins seem to show that the Andhras were in possession of Ujjain (W. Mālwā) in about the middle of the second century B.C., and an inscription bearing the name of a king Çātakarṇi proves that they had superseded the Çuṅgas in the kingdom of Vidiçā (E. Mālwā) about a hundred years later (*v. sup.* pp. 531 ff.).

But the Çuṅgas and the Andhras were not the only powers which at this period were contending for the mastery in the region now known as Central India. The Hāthigumphā inscription shows that, c. 150 B.C., Khāravela, king of Kaliṅga, appeared in the field as a new combatant. We find here mention of a Çātakarṇi, who is supposed to be the successor of Krishṇa and the third monarch of the Andhra dynasty; and, according to the interpretation most commonly accepted of two passages in the inscription, Khāravela in the second year of his reign sent a large army to the West 'disregarding Çātakarṇi,' and in his fourth year humbled the Rāshṭrikas (of the Marāthā districts) and the Bhojakas (of Berār), who were no doubt subjects of the Andhra suzerain (*v. sup.* pp. 530–1).

In his twelfth year Khāravela marched into Magadha, and there seems to have forced its king to sue for peace. Whether that king was still Pushyamitra, or indeed any member of the Çuṅga dynasty, is at present uncertain (p. 537). In any case this humiliation of the once powerful kingdom of Magadha was doubtless to the advantage of the Andhras.

[1] This is indicated by the inscriptions at Nāsik (no. 1144) and at Nānāghāt, 50 miles north-west of Poona (no. 1114).

[2] The poet Kālidāsa in his play *Mālavikāgnimitra*, writing some centuries later, gives to this king of Vidarbha the name of Yajñasena; he may be right.

The Nānāghāt inscriptions of this period record the names of a king Çātakarṇi, who may be identified with the rival of Khāravela, of his wife Nāganikā or Nāyaṇikā, and of their young sons Vedi-siri and Sati Sirimanta; but it is not clear whether either Vedi-siri or Sati ever attained to manhood and a throne[1]. For many years after this date Andhra history lies in darkness, faintly lighted only by the uncertain records of the Purāṇas. Trustworthy data fail us at this point, and the Andhras disappear from sight until the period to which the second volume of this History will be devoted.

IV. The Kaliṅgas

The boundaries of Kaliṅga, the territory under the Eastern Ghāts lying along the coast of the Bay of Bengal on the north of Telingāna, seem to have been uncertain. On the north it may at one time have reached up to the delta of the Ganges, if reliance can be placed on the statements of Pliny, *H.N.* VI, 17–18 (21–22)[2], and thus included Oḍra-deça, now Orissa; but usually its northern limit was somewhat lower. South of this it comprised Utkala (Ganjām) and the Northern Circārs down to the basin of the Godāvari, or thereabouts[3]. Early literature however distinguishes the Kaliṅgas from the Oḍras or natives of Orissa. A somewhat unedifying epic legend (*Mbh.* I, 104) makes the races of Aṅga, Vaṅga, Kaliṅga, Puṇḍra, and Suhma (*v. sup.* p. 317) to be descendants of the saint Dīrghatamas by Sudeshṇā, wife of king Bali; and similarly the grammar of Pāṇini (IV, 1, 170; cf. II, 4, 62, schol.) groups together Aṅga, Vaṅga, Kaliṅga, Puṇḍra, etc. The Oḍras also appear very early in Sanskrit literature (*Taittirīya Āraṇyaka*, II, 1, 11, and the epics); and the law-book of 'Manu' wrongly classes them, with the natives of Puṇḍra and the Draviḍas, as degraded Kshatriyas (X, 44). How far Kaliṅga is to be regarded as a Dravidian province is not clear. The name *Pertalis*, which is given by Pliny, *H.N.* VI, 18 (22), as that of the capital of Kaliṅga,

[1] The name *Sati* was taken by Bühler as equivalent to Sanskrit *Çakti*, and hence Sati has been identified with Haku-siri (*Ep. Ind.* vol. X, App. no. 1117) and Mahāhaku-siri (*ib.* no. 1141). But there are serious phonetic difficulties. Possibly Sati is the same person as the prince Sātavāhana of inscr. no. 1118, and the name of Haku-siri may perhaps be connected with that of Sakasena in the Kānheri inscription (*Arch. Survey of W. India*, v, p. 79; cf. Rapson, *Andhra Coins*, pp. xlvii, lxxv).

[2] He speaks of *Maccocalingae* or *Mactocalingae* as a subdivision of the 'Brachmanae,' of *Calingae* on the coast, and of *Modogalingae* on an island in the Ganges.

[3] Pliny (*ut supra*) mentions a cape Callingon, probably Point Godāvari, as being 625 miles from the mouth of the Ganges.

has a Dravidian sound, and Dravidian etymologies for it readily suggest themselves[1]. At the present day the Circārs and southern Ganjām are mainly Telugu in speech, and 'Dravidian' physical features are found in their populations, as well as in Orissa.

The only data of the early history of Kaliṅga, apart from unenlightening references in literature, are those that are supplied by the inscriptions of Açoka and the Hāthigumphā cave in Orissa. The edicts of Açoka (XIII, ed. Senart) tell us that early in his reign—about 262 B.C.—he conquered Kaliṅga and ravaged it pitilessly. The sight of the horrors which he had brought upon the wretched land caused a revulsion of feeling in the king, and inclined him towards the Buddhist faith. When after his death the Maurya empire began to decay, Kaliṅga asserted its independence, and rose again to prosperity. The most important of the Hāthigumphā inscriptions is the record of Khāravela or Bhikshurāja, to whom reference has already been made (p. 600). From this we learn that Khāravela of the Cheta family succeeded to the throne in the 24th year of his age. He claims to have had a population of 350,000 men in his capital, and to have increased the power of Kaliṅga by triumphs gained over his western and northern neighbours. He seems to have been a magnificent ruler of liberal tendencies, and styles himself 'a worshipper of men of all sects.' Other inscriptions record the names of king Vakradeva, probably his son, and of a prince Vaḍukha[2]. For the rest, all is dark.

V. MAHĀRASHṬRA, ETC.

On the western side of the peninsula, south of the Vindhya, and forming approximately the southern half of what is now the Bombay Presidency, lies a group of provinces, which in ancient times were inhabited by a population of more or less Dravidian blood, upon which were superimposed successive strata of Āryan immigrants entering apparently from Vidarbha (Berār). The term *Dakshiṇā-patha*, 'southern region,' whence comes the modern *Deccan*, is often applied to the greater part of this country, but not very accurately, for strictly it denotes only the region around the upper waters of the Godāvari and the lands between it and the Kistna, which were also known by the names of Daṇḍakāraṇya

[1] The first syllable is most probably *per*, *peru*, 'great'; the rest of the word may be connected with *taḷi*, which in Kanarese means 'covert,' 'refuge,' and in Tamil 'temple,' or Tamil *taḷai*, 'office of a district official,' or *talai*, 'head.'

[2] *Epigr. Indica*, vol. x, App. nos. 1347–8.

and Mahārāshṭra, and were the home of the race which in later times became famous in history under the name of Māhārāshṭras or Marāthās. With the latter were probably connected the tribes of Raṭṭas and Rāshṭrakūṭas who some centuries later played an important part in the history of the Deccan, as well as the Raṭhikas whom Açoka mentions as having accepted his doctrine (K. v, Dh. v, ed. Senart). West of the Mahārāshṭra lay the realm of Aparānta (the Northern Konkan), with a capital at Çūrpāraka (now Sopāra), also included by Açoka in his list of believers (K. v, Kh. v, Dh. v, ed. Senart). The Peṭenikas, mentioned by him in the same connexion (K. III, v, XIII, Kh. XIII, G. XIII), have been plausibly identified with the Paiṭhānikas or natives of Paithan (above, p. 599). Another tribe to whom he alludes is that of the Sātiya-putas (inscr. II). Possibly they may represent the region around Mangalore; but it is at least equally likely that they were the forefathers of the Sātavāhana dynasty of the Andhra-deça (above, p. 599). It is recorded in the Mahāvaṃsa (XII) and Dīpavaṃsa (VIII) that Buddhist missions were sent by Moggali-putta Tissa to Mahārāshṭra, Aparānta, Vanavāsa (Banavāsi, in the extreme south of North Kanara), and Mahisa-maṇḍala (probably Mahishmant or the country of the Mahishakas, who in the Purāṇas are associated with the Mahārāshṭras and are said to have had a capital Māhishmatī on the Narbadā), and hence it would appear that these regions were fairly civilised; but no trustworthy details of their history in this period have been preserved.

CHAPTER XXV

THE EARLY HISTORY OF CEYLON[1]

LEGEND and ethnographic observation are the only materials for constructing the history of Ceylon in the early period previous to the death of Gautama Buddha (probably B.C. 483). Events from that date onward are recorded in the official chronicles kept by the Buddhist Church after its introduction into Ceylon by Mahinda (Mahendra) in 246 B.C.; and these chronicles were incorporated in the *aṭṭhakathās* or canonical commentaries upon the Pāli Scriptures, and thence into the Pāli histories known as Dīpavaṃsa, the 'Chronicle of the Island,' and Mahāvaṃsa, the 'Great Chronicle.' These records, while mainly interested in the relations of the kings of Ceylon to the Church, and often erring in important details, are nevertheless on the whole valuable sources of information, to which however the later histories or Rājāvaliyas, 'Lists of Kings,' and the inscriptions form an indispensable supplement.

The oldest and purest race in Ceylon is that of the Väddas, who inhabit the larger part of the Eastern Province, a small region in Tamankaduwa, and nearly one-fifth of Uva, but are known to have been formerly spread over the whole of Uva and a large portion of the Central, North Central, and North Western Provinces, and no doubt were at first undisputed masters of the island. Their ethnical affinities are somewhat uncertain; but there is good reason for classing them with the Kurumbas, Irulas, and some of the wilder tribes of the mainland as pre-Dravidian[2]. A few of them still live under the most primitive conditions as homeless hunters; others are somewhat more civilised, and practise rude arts of culture similar to those of the Sinhalese peasantry.

[1] In this chapter names and titles usually appear in their Pāli form, and the following abbreviations are used: Mhv. = Mahāvaṃsa, Dīp. = Dīpavaṃsa, Msr. = Mahāsammata-rājāvaliya, R. = Rājāvaliya, Rvp. = Rājavikrama-pravrittiya, Vr. = Vijaya-rājāvaliya, Vrv. = Vijayarāja-vaṃsaya. Dates in these works are given in years of the era of Buddha (A.B.) which probably began originally in 483 B.C. After the middle of the eleventh century A.D. the era of Buddha was reckoned from 544 B.C.

[2] Haddon, *Races of Man*, pp. 7, 18. Here and elsewhere the terms 'Dravidian' and 'Āryan' are used with all due reserve.

The population of Ceylon however is for the most part a mixed race. Besides Väḍḍas, both Dravidians and Āryans have contributed to their blood; and in modern times Europeans—Portuguese, Dutch, and British—and the usual cosmopolitan visitors to their ports have all added something to the strain. The proportion of Väḍḍa blood in the stock is uncertain, but probably considerable. To judge from the legends recorded in Mhv. and Dīp. and from the vernacular ballads, it is not unlikely that in pre-Buddhist times some of the Väḍḍas had reached a fair degree of civilisation, mingling on terms of approximate equality with the Āryan and Dravidian invaders, and by this combination producing the main stock of the Sinhalese race. The relative proportion of Āryan and Dravidian blood is likewise uncertain. The stream of immigration from the Dravidian regions of India, especially the Tamil country, has been constant since the dawn of history, sometimes proceeding in drops, sometimes in great waves, and at the present day the northern part of the island is mainly Tamil; but the Sinhalese language, though marked by traces of Dravidian influence, is Āryan, and is descended from a Sanskritic tongue closely akin to the Vedic[1]. This fact, and certain data of legend to which we shall recur in the succeeding paragraph, suggest that at some early date an invading band of Āryans, conquering part or the whole of Ceylon, imposed its language and perhaps something of its culture and institutions upon the mixed Väḍḍa-Dravidian population which it found there, and then gradually became fused in the racial congeries of the island.

Sinhalese tradition also relates that the Nāgas, or semi-divine snake-men of Hindu myth, once dwelt in Ceylon, and gives details of their wars, which are said to have been settled by the intervention of Gautama Buddha. These Nāgas belong to the realm of fiction; but as traditions record that they drove out the earlier inhabitants from the North and West, and it is a fact that the name *Nāgadīpa*, 'Nāgas' Island,' long clung in early times to these regions down to the neighbourhood of Madawachchiya, it is possible that in these legends there may lie some faint shadows of historical reality.

The Mhv. (VI, VIII) and Dīp. (IX), with which a number of late histories and popular ballads agree more or less, tell a singular story. According to them, a daughter of a King of Vaṅga (Bengal) and a princess of Kaliṅga (Orissa) was carried away by a lion,

[1] Even the Väḍḍas now use a dialect of Sinhalese. Only the Tamils who have settled in Ceylon in comparatively modern times speak Tamil.

who begot on her a son, Sīhabāhu ('Lion-Arm'), and a daughter, Sīhasīvalī (in Sinh. ballads Siṃhavalli). After slaying his father, Sīhabāhu reigned at Sīhapura, 'Lion's Town,' in Lāḷa (Lāṭa, i.e. Gujarāt)[1]. His son Vijaya, banished for his lawlessness, departed from Sīhapura with a band of adventurers and sailed southward. After stopping at Suppāraka (Çūrpāraka, the modern Sopāra, in the Thāna District, Bombay Presidency), he continued his voyage to Ceylon, where he arrived very shortly before the death of Gautama Buddha, who in a prophetic vision learned of his coming and commended him to the care of the god Sakka (Çakra, or Indra)[2]. He found the island in the possession of *yakkhas*, or fairies. Having overcome the wiles of the Yakkha princess Kuvaṇṇā (in Sinh. Kuveni), he took her to wife, and drove away her kinsmen. When he had established himself, he repudiated her and his children by her—who became the ancestors of the Pulinda tribes of the interior—in order to marry a daughter of the Pāṇḍyan king of Madura, and reigned for 38 years (c. 483–445 B.C.) with much righteousness in the town of Tambapaṇṇi, which he had founded. Anurādhapura, Upatissagāma, Vijitagāma, Uruvelā, and Ujjenī were founded by his followers.

This tale seems to contain the following nucleus of fact. There were apparently two streams of immigration celebrated in the earliest legends[3]. The first, which probably was mainly Dravidian, came from Orissa and perhaps southern Bengal; the second, mainly Āryan, started from Sīhapura in Lāṭa (possibly the modern Sihor, in Kāthiāwār) and Sopāra[4]. The latter band belonged to the Siṃhalas (Sīhalas) or 'Lion-tribe,' and it was probably they who imposed their Āryan tongue on Ceylon (*v. sup.* p. 605). At any rate, they gave to their new home the name of *Siṃhaladvīpa* (in Pāli *Sīhaladīpa*), whence are derived its later titles, the Arabic *Sarandīb*, the Portuguese *Ceilão*, and our *Ceylon*[5]. Popular imagination combined the two movements by giving the eponymous Sīhabāhu a home on both sides of India, and so the legend shaped

[1] The *Mhv.* VI, 4 seems to locate Lāḷa in Magadha; this may be due to a crude recollection of the extent of the early Gupta empire.

[2] Buddhist legend relates that the Buddha thrice visited Ceylon, and that after his death his collar-bone was brought thither to be enshrined in the Mahiyaṅgana (Miyuguna) Thūpa; see *Mhv.* I.

[3] The same conclusion is suggested by the legends of the coming of the gods—e.g. of Oḍḍisa from Orissa and the Devol Deviyō from Debal in Sind.

[4] See the *Indian Antiquary*, vol. XVI, pp. 1 ff. and 49 ff.

[5] From *Siṃhala* or *Sīhala* is derived the term *Heḷu* or *Eḷu*, which is applied to designate the pure classical dialect of ancient Sinhalese literature, in opposition to *Siṃhala*, 'Sinhalese,' the Sanskritised and unclassical speech of modern times.

itself into its classical form[1]. The lion, Kuvaṇṇā, and the Yakkhas are pure fiction[2].

Sinhalese chronology begins with the landing of Vijaya, which, as we have seen, is made to coincide with the decease of Gautama Buddha in 483 B.C. The correctness of this synchronism may well be doubted; but probably the records on this and other points, if not absolutely reliable, are not very far from the truth. It will therefore be most suitable to base our account of subsequent events upon that of the Mhv., premising that our belief is subject to due reservations, and adding some of the more important variants and supplementary data given in other works.

The death of Vijaya was followed by an interregnum of one year (c. 445–444 B.C.).

The Mhv., a Rājāvaliya, and several other Sinhalese histories fill up this interregnum by stating that Tissa, a minister of Vijaya, who built Tissanuvara or Upatissagāma north of Anurādhapura, near the Kolon Oya (now Malwatta Oya), reigned for that time.

The next king was Paṇḍu-Vāsudeva[3], the youngest son of Vijaya's brother Sumitta. He married Bhaddakachchānā[4], daughter of the Çākya Paṇḍu, who bore to him ten sons and a daughter, Chittā. After reigning 30 years (c. 444–414 B.C.) he died, and was succeeded by his son Abhaya, who after ruling for 20 years (c. 414–394 B.C.) in Upatissagāma was deposed.

The Msr. states that Paṇḍu-Vāsudeva died A.B. 74, and assigns 16 years to the reign of Abhaya.

An interregnum of 17 years (c. 394–377 B.C.) then followed, after which Paṇḍukābhaya, an illegitimate son of Chittā by her cousin Dīgha-Gāmaṇī, established himself after a long struggle as king in Anurādhapura, and reigned 70 years (c. 377–307 B.C.) (*Mhv.* VIII–X). He was succeeded by his son Muṭasiva[5], who had a

[1] It is however noteworthy that there was also a Siṃhapura on the east, the capital of the ancient kings of Kaliṅga (see *Epigr. Zeylanica*, vol. I, p. 124). This fact probably contributed to the formation of the legend.

[2] It is usually supposed that the Yakkhas in this legend represent the aboriginal Väddas, as apparently is the case in the history of Paṇḍukābhaya (*Mhv.* X). But the legend of Kuvaṇṇā is strictly myth, being remarkably like that of Circe; and it seems likely that the Yakkhas in it arose from the same source.

[3] In Sinh. *Paṇḍuvas*.

[4] The *Mhv.* (IX) relates that her brothers Rāma, Uruvela, Anurādha, Vijita, Dīghāyu, and Rohaṇa founded Rāmagoṇa and other towns bearing their names. As regards the second, third, and fourth of these heroes the story is obviously a duplicate of the legend mentioned in *Mhv.* VII (above, p. 605).

[5] Moṭasiva or Moṭa Tissa, in some Sinhalese histories.

reign of 60 years (c. 307–247 B.C.). The latter was followed by his second son Devānampiya Tissa[1] (*Mhv.* XI).

The Msr. states that Paṇḍukābhaya, whom it calls the son of Abhaya, built Anurādhapura and reigned 37 years, and that his son Muṭasiva constructed the Mahāmegha-vana (see below) and died A.B. 187. The Rvp. allots a reign of 40 years to Gaṇapa Tissa, a son of Paṇḍukābhaya, whom it places after Muṭasiva. A R. agrees in making Tissa the son of Paṇḍukābhaya and giving him a reign of 40 years; but the Vr. places him between Abhaya and Paṇḍukābhaya.

In the month Jeṭṭha of the year of Devānampiya's coronation (c. 246 B.C.) the Buddhist apostle Mahinda[2], son of the Maurya King Açoka (Dhammāsoka), miraculously travelled to Ceylon in company with the four friars Iṭṭhiya, Uttiya, Sambala, and Bhaddasāla and the novice Sumana, son of his sister Saṅghamittā. He alighted at Mahindatala[3], where he met Devānampiya and converted him and his people (*Mhv.* XIII, XIV). The Mahāmegha-vana, a park south of Anurādhapura, was assigned to the service of the new Church, and the buildings erected in it were known afterwards as the Mahāvihāra (*Mhv.* XV). On the spot where Mahinda had alighted was built the Chetiyapabbata-vihāra (*Mhv.* XVI). A *thūpa* (Skt. *stūpa*) and a monastery in connection with it, the Thūpārāma, were constructed at the south of Anurādhapura to receive the collar-bone of the Buddha (*Mhv.* XVII), and the southern branch of the famous Bodhi-tree of Gayā was brought and planted at Anurādhapura in the eighteenth year of Asoka's reign (*Mhv.* XVIII–XX).

After a pious reign of 40 years (c. 247–207 B.C.) Devānampiya died, and was succeeded by his brother Uttiya, who ruled for 10 years (c. 207–197 B.C.) (*Mhv.* XX).

According to the Msr. Uttiya died in A.B. 237.

Next reigned Uttiya's younger brother Mahāsiva for 10 years (c. 197–187 B.C.), and another brother, Sūra Tissa, previously known as Suvaṇṇapiṇḍa Tissa, likewise for 10 years (c. 187–177 B.C.). The latter was conquered by two Tamils named Sena and Guttaka, sons of a horse-dealer (*assa-nāvika*), who reigned justly for 22 years (c. 177–155 B.C.), and were then overcome by Asela, the youngest of Muṭasiva's nine sons. Asela then reigned in Anurādhapura for 10 years (c. 155–145 B.C.), and was then ousted by Eḷāra, a Tamil from the Chōḷa country, who ruled for 44 years (c. 145–101 B.C.), and was famous for his justice (*Mhv.* XXI).

[1] In Sinh. *Devenipā Tisa.*

[2] In Sanskrit *Mahendra*, Sinh. *Mihiňdu.*

[3] Mihintale, about eight miles east of Anurādhapura.

A Rājāvaliya inserts after Sūra Tissa an Upatissa with a reign of 10 years, and makes the two brothers Sena and Guttaka into one person, whom it describes as *aviçchāri* (perhaps for *açvāchāri*) *devi kenek*; the printed R. describes them as 'two brothers who were horsemen.' The Dīp. (XVIII, 47) assigns to them only 12 years. Asela is not said by the Vr. to be a son of Muṭasiva. His successor's name is usually given in Sinhalese as *Elāla*; the same R. calls him a Malala (Malabari) from Soli (Chōḷa-deça), and says that he brought over 1,080,000 Tamil soldiers and behaved with great impiety, desecrating the monasteries of Devenipā Tisa.

Devānampiya Tissa had a brother, Mahānāga, who resided in Mahāgāma[1] and governed the province of Rohaṇa[2]. He was succeeded in this office by his son Yaṭṭhālaya Tissa, the latter's son Abhaya or Goṭhābhaya[3], and the latter's son Kākavaṇṇa Tissa[4]. The last had two sons, Gāmaṇī-Abhaya, better known as Duṭṭha-Gāmaṇī[5], and Saddhā-Tissa[6].

The Vrv. states that Yaṭṭhālaya Tissa reigned in Kälaniya and built there a sanctuary; his son Golu Abhā ruled in Ruhuna, and was followed by his son Kāvan Tisa. The Vr. gives the succession as Mahānāma, Kälani Tissa (apparently meant for Yaṭṭhālaya Tissa), Goṭhābhaya, and Kāvan.

When Kākavaṇṇa Tissa died at the age of 64 years, Duṭṭha-Gāmaṇī, who had previously quarrelled with him (whence his name, meaning 'Wicked Gāmaṇī') and taken refuge in the interior, set himself up as king in Mahāgāma and waged a successful war against Saddhā-Tissa (*Mhv.* XXII–XXIV). He then embarked upon a series of campaigns against the Tamils, which ended in the conquest of Ēḷāra in Anurādhapura (*Mhv.* XXV). Duṭṭha-Gāmaṇī was now master of the island. To make amends for a somewhat questionable past, he proceeded to patronise the Church royally. He founded the Marichavaṭṭi Vihāra[7], the Lohapāsāda[8], and the Great Thūpa, in which he enshrined a casket full of relics said to have been brought from the land of the Nāgas by the Thera Soṇuttara, and performed many other pious works. His reign lasted for 24 years (c. 101–77 B.C.) (*Mhv.* XXVI–XXXII).

His brother Saddhā-Tissa ('Tissa of the Faith,' so styled from his pious works, one of which was the rebuilding of the Lohapāsāda after it had been burnt), then ruled for 18 years (c. 77–59 B.C.).

He is said by the Msr. to have died in A.B. 492.

[1] Magama, north-east of Hambantota.
[2] Sinh. *Ruhuna*.
[3] Sinh. *Golu Abhā*.
[4] Sinh. *Kāvan Tisa*.
[5] Sinh. *Duṭugämunu*.
[6] His original name was Tissa Abhaya (see below); inscriptions style him *Devanapiya Maharaja Gamiṇi Tisa*.
[7] Mirisväti Vehera, south-west of Anurādhapura.
[8] In the Mahāmegha-vana, north of the Mahāvihāra.

Saddhā-Tissa was followed by his younger son Thūlathana[1], who after a reign of 1 month and 10 days (c. 59 B.C.) was ousted by his elder brother Lañja Tissa[2], who ruled for 9 years and 15 days (c. 59–50 B.C.). His younger brother Khallāṭanāga[3] then reigned for 6 years (c. 50–44 B.C.).

The Vrv. gives the succession: Sădăhă-Tissa (i.e. Saddhā-Tissa), Tulla, Rālamin Tissa (*sic*), Khallātha Tissa. Lañja according to the Dīp. (xx, 9) reigned 9 years and 6 months. The Msr. states that Khallāṭanāga died in A.B. 444.

Khallāṭanāga was ousted by a general named Kammahārattaka, who in his turn was slain by Khallāṭanāga's younger brother Vaṭṭa-Gāmaṇī Abhaya[4], who now became king.

The date of Vaṭṭa-Gāmaṇī's accession is given by the Vr. as A.B. 439, and by the Vrv. as 441. Kammahārattaka is called Mahārattaka in the Dīp. (xx, 13), where he is said to have reigned one day.

After Vaṭṭa-Gāmaṇī had reigned 5 months (c. 44 B.C.) he was defeated by seven Tamil adventurers and fled, remaining in hiding in the interior of the island for 14 years and 7 months (c. 44–29 B.C.), while the throne was occupied successively by five Tamil usurpers, named Puḷahattha (3 years), Bāhiya (2 years), Panayamāra (7 years), Pilayamāra (7 months), and Dāṭhika (2 years). Vaṭṭa-Gāmaṇī then conquered and slew Dāṭhika, and reigned in Anurādhapura for 12 years (c. 29–17 B.C.). One of his pious foundations was the Abhaya-giri monastery (*Mhv.* XXXIII).

Khallāṭanāga's son Mahāchūli Mahātissa[5] then reigned righteously for 14 years. He was followed by Vaṭṭa-Gāmaṇī's son Choranāga, who had previously been an outlaw, and now ruled impiously for 12 years (c. 3 B.C.–9 A.D.). He was then poisoned by his queen Anulā. The next king was Mahāchūli's son Tissa[6], who after a reign of 3 years (c. 9–12 A.D.) was poisoned by Anulā, who raised to the throne Siva, one of the guards of the palace. Siva reigned for 14 months with Anulā as his queen, after which she transferred her affections to a Tamil named Vaṭuka, and poisoned Siva. When she had reigned with Vaṭuka for 14 months, she wearied of him and poisoned him, choosing for her new consort a

[1] Sinh. *Tulnā* (for Pāli Thūlanāga ?).

[2] Also called Lajji Tissa, and in Sinh. Lämaṇi Tissa from his family, the Lämaṇi (Pāli *Lambakaṇṇi*). Inscriptions style him *Devanapiya Tisa Abaya*.

[3] Sinh. *Kalunnā*.

[4] In Sinh. he is styled *Valagambāhu* (or °*bā*) *Abhā*; in inscriptions his title is *Devanapiya Maharaja Gamiṇi Abaya*.

[5] This name appears in Pāli as *Mahāchūli*, °*chūlika*, and °*chūla*; in Sinh. as *Mahasilu* and *Mahadāliya* (the former implying a Pāli °*chūli*, the latter a Pāli °*jāliya*).

[6] Known as *Kuḍā Tissa*.

wood-carrier (*dāru-bhatika*) named Tissa. After 13 months she poisoned him also, and elevated a Tamil chaplain named Nīliya, but 6 months later removed him in the same manner, and reigned alone for 4 months. Mahāchūli's second son, Kuṭakaṇṇa Tissa[1], who had fled from the court and taken orders in the Church, now raised an army, overthrew and killed Anulā, and reigned with justice and piety for 22 years (c. 16–38 A.D.).

There is much discrepancy in the accounts of this period. The Msr. gives the names and dates thus: Balat Sivuvā, 14 months; Vaṭuka, 14 months; the chaplain, 6 months; Vāsuki, an astrologer, 13 months; Bälā Tisu, 13 months; Anulā alone, 4 months; Kalan Tisa, 20 years. The Vr. has the variant names Balavat Siṭuvāya and Bälani Tissa, and calls Kuṭakaṇṇa Kalantika Tissa. One R. gives Sūra for Siva, with 14 months (but 1 year in the Rvp.), and places after him a Tamil named Mukalan with a reign of 14 months (in the Rvp. called Mukhanandi, with a reign of 1 year), the chaplain with 6 months (1 year in the Rvp.), Anulā with 4 months, Mukalan Tissa with 1 year, etc. The Dīp. assigns 3 months to Niliya (xx, 29).

[1] Also called *Kālakaṇṇi Tissa*, in Sinh. *Kalan* or *Makalan Tissa*.

CHAPTER XXVI

THE MONUMENTS OF ANCIENT INDIA

It is the misfortune of Indian History that its earliest and most obscure pages derive little light from contemporary antiquities. Before the rise of the Maurya Empire a well-developed and flourishing civilisation had existed in India for at least a thousand years; yet, of the structural monuments erected during those ages not one example has survived save the Cyclopean walls of Rājagṛiha; and of man's lesser handiwork, few objects except the primitive implements, pottery, and tombs of the stone and early metal ages. Moreover, such as they are, the value of these antiquities is still further diminished by the fact that there are none among them to which a precise date can be ascribed, while in the case of the majority, even apart from the remains of palaeolithic man, it is impossible to affirm within half a millennium when they were produced. This strange scarcity of materials in a country so vast and thickly populated as India is due in a great measure to the custom which then generally, though not universally, prevailed of building in wood, as well as to the destructive agency of the Indian climate which rapidly obliterates everything of a perishable nature; but it is due, also, to the neglect, until the last few years, of scientific exploration on the ancient town sites of India, which alone are likely to yield the stratigraphical evidence indispensable for determining the chronology of these early ages.

With the palaeolithic peoples of India we are scarcely here concerned. Their rough-chipped implements (Pl. IX, 1–5) have been found in large numbers in the southern half of the Peninsula, and in deposits which indicate that countless centuries must have elapsed between their last appearance and the dawn of Vedic history, while the forms of the implements themselves, strikingly unlike those of the Neolithic Age, have suggested to some writers that their authors may not even have had an ethnical connexion with the later inhabitants of the land. The neolithic races, on the other hand, are invested with a more immediate interest for

the historian, not only because there are good reasons for supposing that some of the existing peoples of India—notably the Dravidians —are directly descended from them, but because this phase of civilisation was preserved in some parts of the country until medieval and probably more recent times. The stone weapons and utensils which are specially characteristic of it are found scattered over a much wider area than the more rudimentary palaeoliths, though mainly in regions where the trap rock, used especially in their manufacture, abounds. They exhibit a remarkable variety, illustrated by at least a hundred distinct types, some of which belong to the polished, others to the unpolished class (Pl. IX, 6–10). With few exceptions, however, they are identical in form with similar objects from Western Asia and Europe, and this identity has led to the supposition that the Dravidian peoples, with whom the neolithic culture in India appears to have been peculiarly associated, once dwelt in the highlands of Western Asia and penetrated thence by way of Baluchistān into India; and, at first sight, the survival in Baluchistān of a Dravidian language, Brāhūī, would seem to support this view. Other linguistic considerations, on the other hand, have been thought to point to the conclusion that the Dravidians were indigenous in the Deccan and spread thence over a part of Northern India. Whatever the truth may be regarding these particular tribes and whether they played a part or not in the introduction of neolithic culture into India, there can be no doubt that this culture was closely related to and, it may well be believed, mainly derived from the culture of the later Stone Age in Western Asia. Among the implements of non-European types referred to, the most noteworthy is a class of curious chisel-shaped, high-shouldered celts which are found in Burma, Assam, and Chotā Nāgpur, and which appear to have been manufactured by the ancestors of the present Mon-Khmer stock. Similar instruments occur also in Indo-China and the Malay Peninsula, where they seem to have been produced, not by the aboriginal tribes of the interior, but by later invaders who were in a more advanced state of civilisation.

It is to the later Stone Age, also, that are to be ascribed a class of chipped trap implements from Bundelkhand and the pygmy flints that occur in myriads among the off-shoots of the Vindhyas. Some of the caves in which the latter have been found are adorned with rude drawings in ruddle or haematite, and from the outlines of the primitive weapons depicted in them it has been thought that the drawings were executed during the neolithic

period, but though the conjecture is plausible enough and is borne out, let it be said, by the discovery of rubbed specimens of red haematite and palettes for grinding down the material at various neolithic sites in the Deccan, it is by no means certain that these drawings go back to so remote an age. This observation applies still more forcibly to the megalithic tombs, which occur in vast numbers in the central and southern parts of the Peninsula, and to the accumulations of prehistoric scoria, often of considerable size, which are known to antiquarians as 'cinder-mounds,' as well as to the so-called 'cup-marks' or small hollowed depressions in the rocks, which have been interpreted by some investigators as a forgotten system of writing. In Europe, megalithic tombs analogous to the Indian examples are referred to the close of the neolithic period or to the succeeding age of bronze and copper; but in India there are few such tombs which there is reason for regarding as anterior to the iron age; and in their case, as well as in that of the cinder-mounds which have yielded smooth stone celts, it is a plausible theory that the people who erected them were still in the neolithic state, when iron had long been in vogue among other races of the Peninsula.

As the stone age passed gradually away in Northern India, it appears to have given place, not to an age of bronze, as it did in most parts of Europe, but to one of copper. Finds of seven bronze implements, it is true, have been recorded from various parts of the Empire, but it has rightly been pointed out by Dr Vincent Smith that out of these seven one only can claim to be of real bronze, deliberately and knowingly manufactured as such, and the evidence of a single specimen, which may well have been imported from abroad, is wholly insufficient to justify the assumption of a bronze age. Copper implements, on the contrary, occur in relatively large quantities and over a wide range throughout Northern India, from Hooghly in the east to Baluchistān in the west. Among them are bare and shouldered celts, harpoons, spear-heads both plain and barbed, axe-heads, swords, and an object suggestive of the human shape (Pl. X, 11–20). The last mentioned, as well as some of the swords, which are remarkable for their excessive weight and the form of their handles (Pl. X, 18–20), may have been used for cult purposes. One hoard of these implements, which came from Gungeria in the Central Provinces—the most important, be it said, yet recorded in the Old World—contained as many as 424 specimens of almost pure metal, weighing in all 829 pounds, besides 102 ornamental laminae of

silver. Such a collection, comprising as it did a variety of imple ments intended for manifold domestic and other purposes, afford evidence enough, as Dr Smith has remarked, that their manufactur was being conducted in India on an extensive scale; while th distinctive types that had been evolved and are represented bot in this and in other finds, connote a development that must alread have extended over a long period, though at the same time th barbed spear-heads and harpoons and flat celts, manifestly copie from neolithic prototypes, bespeak a relatively high antiquit The presence of silver ornaments in the Gungeria hoard ha suggested doubts as to its remote date, but there seems littl reason for assuming that a race familiar with the difficult metal lurgical processes by which copper is extracted from its ores, wer incapable of smelting silver from the rich argentiferous galena which occur in various localities.

At what date iron came to supplant copper in the north o India is uncertain, but literary evidence from the Vedas seems t indicate that it was introduced into the north-west during th second millennium B.C.[1] It was about the same time, too, that i came into general use in Mesopotamia, and it is probable enoug that the knowledge not only of this metal but of copper also i a previous age was acquired from that region. Between th Babylonian, or Assyrian, and Indian civilisations, indeed, man archaeological links are traceable, among which may be notice parenthetically, the remarkable resemblance presented by th oblong, short-legged terracotta sarcophagi from the neighbourhoo of Baghdad to those of a prehistoric date found at Pallāvaram an other places in the Madras Presidency.

In Southern India there was no copper age, and iron probabl did not take the place of stone until about 500 B.C. Up to tha time the Āryans of the north seem to have possessed no ver distinct knowledge of the south of the Peninsula, which was a once isolated and protected against invasion by the natura defences of the Vindhya hills and the trackless jungles of Centra India, and when at last they penetrated through these barriers the found the Dravidian and other races in the south still in the neolithi stage of culture. The supposition that iron was first conveyed int Southern India by sea from Egypt, has nothing to commend it[2].

[1] A date c. 1000 B.C. is suggested in Chapter II, p. 56; cf. Chapter IV, p. 112.

[2] Besides the works detailed in the bibliography at the end of this volume, th author is much indebted to a very valuable note on the prehistoric antiquities of Indi by Mr J. Coggin-Brown, M.Sc., of the Geological Dept., whose knowledge of thi subject is perhaps unrivalled.

Notwithstanding the wide extent and long duration of Vedi civilisation in Northern India, there is but one group of monu ments now existing to which there is any warrant for assignin a Vedic origin. These are the well-known mounds at Lauriy Nandangarh in Bihār, which were opened a few years ago b the late Dr Bloch and identified by him with the burial mound (*çmaçāna*) described in Vedic ritual. Two of these proved to b composed of horizontal layers of clay alternating with straw an leaves, with a post (*sthūṇā*) of sāl wood standing erect in th centre, above which was a deposit of human bones and char coal accompanied by a small gold leaf. The latter (Plate XI, 21 bore impressed upon it in crude outline the figure of a femal which has been interpreted as the Earth Goddess referred t in the Vedic burial hymn, but both this interpretation and th date (seventh or eighth century B.C.) hazarded by the explore for these mounds must be regarded as tentative only. Of actua structures anterior to the Maurya epoch the only examples, a already remarked, known to have survived until the present day are the walls and remains of dwellings in the old city of Rājagriha all built of rough cyclopean masonry. This city was reputed in antiquity to have been forsaken during the reign of kin Bimbisāra, the contemporary of Buddha, who removed the capita to New Rājagriha, but as to how long the walls or houses had the been standing, tradition is silent. Such structures, built of durabl materials, were certainly the rare exception rather than the rule i ancient India, and were probably essayed only in localities wher stones suitable for such masonry were ready to hand. In primitiv India, as among the poorer classes of to-day, the materials mos commonly in use were mud or mud bricks, bamboo canes, and othe kinds of wood. The simplest kinds of dwellings were constructe of screens of bamboo inwoven with palm branches or the like, th roofs being either flat or arched. In the latter case, the bamboo were lashed together at the apex and tied in near the lower end thus forming a singularly strong framework of curvilinear form while the walls were strengthened to resist the outward thrust In other cases, the walls were constructed of unbaked brick o mud, and the latter material was also used as a covering for th flat roofs or for plastering the screens of the walls on the 'wattl and daub' principle. At a later date cut timbers came to be use in the more pretentious dwellings, and afforded opportunities fo the development of that exuberant surface decoration in whic the genius of India has always excelled.

These materials left their character deeply and permanently impressed on Indian architecture. From the use of the bamboo came the curvilinear type of roof which was afterwards reproduced in cut timber and subsequently in stone, and from which were evolved the familiar *chaitya* arches used over doorways and windows. Log capitals were imitated in stone, and the more finished timbering of walls, roofs, and gateways in the same material, every detail down to the nail-heads being copied with sedulous care and accuracy by the masons of later days. As a protection against destructive insects, wooden posts were set in *gharas* or jars of earthenware, and from these resulted the 'pot and foliage' base, so beautifully developed in the Gupta age. A striking illustration of the influence exerted by wood as contrasted with brick construction is to be found in the pillars of the cave temples. In the earliest examples the stone pillars are manifestly copied from wooden prototypes and are relatively slender, though amply thick enough for their purpose. In the later examples, on the other hand, the pillars are heavy and cumbersome, not because extra strength was required, nor yet in order to save labour, but because they were copied from the brick-in-mud pillars of famous *vihāras*, which necessarily required to be much thicker in proportion to their height than columns of stone. It is stated by Arrian that cities on the banks of rivers and in other low-lying spots were built of wood, those in more commanding situations, where they were less exposed to floods, of mud or brick. This statement refers to the time of Megasthenes, Ambassador to the Court of Chandragupta Maurya, on whose writings the *Indica* of Arrian is believed to have been based. It has been endorsed by the discovery of portions of the wooden palisades of Pāṭaliputra and of the mud or brick walls of Çrāvastī, Bhītā, and other towns. But no kiln-burnt bricks have been found in the Gangetic plains which can be referred to an earlier date than the fourth century B.C., and it is improbable that they came generally into vogue in this part of India until after the reign of Açoka; for the unwieldy size of the bricks used in the buildings of Açoka at Sārnāth and other places, coupled with their inferior quality, betoken but little experience of brick-making. The potter's art, on the other hand, had been practised throughout India from time immemorial, and in the Punjab and North-West, which were in closer touch with Persia and Mesopotamia, it is likely enough that burnt bricks were used at a more remote age. In this connexion a special interest attaches to

certain seals of unknown date and origin (Pl. XI, 22, 23), which are said to have been found from time to time among the remains of brick structures at Harappa in the Montgomery District of the Punjab. The majority of these seals are engraved with the device of a bull with head outstretched over some uncertain object, possibly in the act of being sacrificed, and all of them bear legends in a pictographic script, which remains still to be deciphered.

With the advent of the Mauryas, the obscurity, in which the earlier monuments are wrapped, rapidly disperses, and from this time onwards we are able to trace step by step and with relative precision the evolution both of architecture and of the formative arts. Of Indian art, generally, it was said by Fergusson, and the statement has often been repeated, that its history is written in decay; that the noblest and most perfect examples of it are the works of the Emperor Açoka; and that each succeeding monument is but a landmark in the steady process of decline. In reality, as we shall presently see, its history is one of continuous forward progress, and, when the works of extraneous schools have been recognised and eliminated, it is found to follow a clear and logical sequence, in obedience to the fixed and immutable principles which govern the artistic efforts of all primitive peoples.

As it happens, it is the earliest monuments that have proved the greatest stumbling-block. Yet the fallacies, which have grown up around them, are not difficult to correct. They arise, in a great measure, from the tendency, common in all ages, to magnify the exploits of great heroes, and to ascribe to them feats and achievements in which they bore no part. What happened in this respect to Alexander, to King Arthur, or to Charlemagne, happened also to the Emperor Açoka. In ancient days his name became the centre of a cycle of heroic legends, and the same process of glorification has continued in modern times by fathering on to him a multitude of works with which he had no connexion. The monuments that can with relative certainty be assigned to the Maurya age, or to the age immediately succeeding it, are few. Besides the brick buildings referred to above they comprise the following: a series of isolated columns erected by the Emperor Açoka at various spots in Northern India; the remains of a pillared hall at Patna, which probably formed part of a royal palace designed, perhaps, on the model of the Achaemenian palaces of Persia; a group of rock-cut shrines in the Barābar hills in Bihār; a small monolithic rail at Sārnāth; a throne in the interior of the temple at Buddh Gayā; some portions

of *stūpa* umbrellas at Sānchī and Sārnāth; and three statues in the round, two in the Indian Museum at Calcutta, the third at Mathurā. Of these monuments, twelve bear records of Açoka himself, and three of his successor, Daçaratha; the age of the others is determined by their style, by the inscriptions carved upon them, or by their peculiar technique, every member but one in the group being identical in two distinct features, namely, in the exceeding care with which they are chiselled and in the brilliant polish afterwards imparted to their surface. Moreover, with the exception of the caves cut out of the natural gneiss rock in the Barābar hills, they are one and all of sandstone from a quarry near Chunār.

The pillars or *lāṭs*, as they are commonly called, are of singularly massive proportions, consisting of a round and slightly tapering monolithic shaft with bell-shaped capital surmounted by an abacus and crowning sculpture in the round, the whole rising to an average height, from base to summit, of between 40 and 50 feet. One of the best preserved, though not the best in style, is that at Lauriyā Nandangarh, illustrated in Pl. XI, 24. The crowning figure on this pillar is a lion, and the relief which adorns the abacus a row of geese, symbolical, perhaps, of the flock of the Buddha's disciples. In other cases, the single lion is replaced by a group of lions set back to back with or without some sacred symbol between them, or by an elephant or bull, while the abacus is adorned with a lotus and honeysuckle design or with wheels and animals alternating. Shafts of a precisely similar pattern, but smaller proportions, were employed in the great hall at Patna, but there the capitals and entablature appear to have been of wood. The dignified, massive simplicity of these pillars is common to all the other architectural remains of the Maurya epoch. The rail at Sārnāth and the throne at Buddh Gayā are devoid of ornament, but each is cut entire and with exquisite precision from a single block of stone, and the plainness of the umbrellas is only relieved by delicately defined ribs radiating on their under side. Equally chaste and severe are the dwellings and chapels excavated for the Ājīvika ascetics in the hills of Bihār. Like the *chaityas* or hermitages from which they were copied, these consist of a small oblong chamber (in one instance with rounded ends) with or without a circular apartment at one extremity, but in only one example is the timber work of their prototypes reproduced in the stone. The example referred to is the Lomas Rishi Cave, the ornamental façade of which (Pl. XI, 25) is an accurate replica of a wooden model. This

particular cave, however, bears no inscriptions either of Açoka or of Daçaratha, and the fact that its interior was left in an unfinished state suggests that it was the latest of the whole group. Probably, it was not excavated until after the close of Daçaratha's reign.

Hardly less striking than the skill with which these monuments were chiselled and the brilliancy to which they were polished, is the disparity evinced in the style of their sculptured ornamentation. This disparity is well exemplified by comparing the primitive treatment of the statue from Pārkham in the Mathurā Museum with the highly developed modelling of the Sārnāth capital (Pl. XII, 26–28). The former represents a stage of art not yet emancipated from the binding law of 'frontality' or from the trammels imposed by the mental prepossessions of the artist. The head and torso are so posed that, were they bisected vertically, the two halves would be found to be all but symmetrical; while the flattened sides and back of the figure, connected only by a slight chamfering of the edges, are conclusive proof that the sculptor failed to grasp more than one aspect of his subject at a time, or to co-ordinate its parts harmoniously together as an organic whole. These features are not mere superficial details of technique, due to the caprice of the artist. They are the fundamental characteristics of the nascent sculpture of all countries, and the primitiveness of the art which they signify is borne out in this particular statue by other traits, namely, by the subordination of the side and back to the front aspect, by the inorganic attachment of the ears, by the uncouth proportions of the neck, by the schematic rotundity of the abdomen, and the absence of modelling in the feet.

The Sārnāth capital, on the other hand, though by no means a masterpiece, is the product of the most developed art of which the world was cognisant in the third century B.C.—the handiwork of one who had generations of artistic effort and experience behind him. In the masterful strength of the crowning lions, with their swelling veins and tense muscular development, and in the spirited realism of the reliefs below, there is no trace whatever of the limitations of primitive art. So far as naturalism was his aim, the sculptor has modelled his figures direct from nature, and has delineated their forms with bold, faithful touch; but he has done more than this: he has consciously and of set purpose infused a tectonic conventional spirit into the four lions, so as to bring them into harmony with the architectural character of the monument, and in the case of the horse on the abacus he has

availed himself of a type well known and approved in western art. Equally mature is the technique of his relief work. In early Indian, as in early Greek sculpture, it was the practice, as we shall presently see, to compress the relief between two fixed planes, the original front plane of the slab and the plane of the background. In the reliefs of the Sārnāth capital there is no trace whatever of this process; each and every part of the animal is modelled according to its actual depth without reference to any ideal front plane, with the result that it presents the appearance almost of a figure in the round which has been cut in half and then applied to the background of the abacus.

What, then, is the explanation of the gulf which separates these two sculptures—the primitive unifacial image of Pārkham and the richly modelled capital of Sārnāth? The answer to this question is not far to seek, and will readily occur to any one who is familiar with the art of Western Asia. Long ago M. Senart pointed out[1] that the decrees of the Achaemenian monarchs engraved on the rocks of Bahistān and elsewhere furnished the models on which the edicts of Açoka were based. It was in Persia, also, that the bell-shaped capital was evolved. It was from Persian originals, specimens of which are still extant in the plain of the Murghāb at Istakhr, Naksh-i-Rustam, and Persepolis, that the smooth unfluted shafts of the Maurya columns were copied. It was from Persia, again, that the craftsmen of Açoka learnt how to give so lustrous a polish to the stone—a technique of which abundant examples survive at Persepolis and elsewhere. Lastly, it is to Persia, or—to be more precise—to that part of it which was once the satrapy of Bactria and was at this time asserting its independence from the Empire of the Seleucids, that we must look for the Hellenistic influence which alone at that epoch of the world's history could have been responsible for the modelling of the living forms on the Sārnāth capital. Little more than two generations had passed since Alexander the Great had planted in Bactria a powerful colony of Greeks, who occupying as they did a tract of country on the very threshold of the Maurya dominions, where the great trade routes from India, Irān, and Central Asia converged, and closely in touch as they were with the great centres of civilisation in Western Asia, must have played a dominant part in the transmission of Hellenistic art and culture into India. Every argument, indeed, whether based on geographical considerations or

[1] *Journ. Asiat.* 8me sér., t. v (1885), pp. 269 ff. and *Inscriptions de Piyadasi*, t. ii, pp. 219 ff.

on the political and commercial relations which are known to have been maintained between India and Western Asia, or on the happy fusion of Hellenistic and Irānian art visible in this monument, indicates Bactria as the probable source from which the artist who created it drew his inspiration. At the time of which we speak the Hellenistic spirit then vigorous in Bactria was mastering and vitalising the dull expressionless forms of Irān. At a later date, as the strength of Hellenism weakened and declined, other elements from the neighbouring steppes of Central Asia asserted or re-asserted themselves in the cosmopolitan art of this region, and, in their turn, were borne to India on the stream of influence which, until the fall of the Kushāṇa Empire, flowed ceaselessly over the passes of the Hindu Kush.

While the Sārnāth capital is thus an exotic, alien to Indian ideas in expression and in execution, the statue of Pārkham falls naturally into line with other products of indigenous art and affords a valuable starting point for the study of its evolution. These two works represent the alpha and the omega of early Indian art, between which all the sculptures known to us take their place, approximating to the one or the other extreme according as the Indian or Perso-Hellenic spirit prevailed in them. Thus, the two statues from Patna in the Calcutta Museum (Pl. XIII, 29, 30) are akin in many respects to the Pārkham image, but exhibit a nearer approach to plurifaciality in the moulding of the torso. The lion capital at Sānchī, on the other hand, though not quite as successful as that of Sārnāth, shows so close an affinity to it, that there can be little doubt that it was the handiwork of one and the same artist; and the well-developed modelling of the figures on the other columns of Açoka shows that, in spite of their occasionally inferior execution, they belong to the same Perso-Hellenistic group. It is not, of course, to be presumed that a single sculptor was responsible for all these monuments, nor yet that all the sculptors employed were of equal ability. Probably, there were many Indians assisting the foreign artists in the mechanical part of their work, and these, we may believe, were responsible for some of the sculptures noticed above, but it is incredible that any Indian hand at this period should either have modelled in clay or chiselled from the stone such perfected forms as those of the Sārnāth capital.

The contrast between Indian and foreign workmanship exhibited by these sculptures is equally apparent in the minor arts of the Maurya period. Thus, the indigenous coins (Pl. XIII, 31–33) known commonly as 'punch-marked,' which were current at this time, are

singularly crude and ugly, neither their form, which is unsymmetrical, nor the symbols, which are stamped almost indiscriminately upon their surface, having any pretensions to artistic merit. On the other hand, the coins of Sophytes (Saubhūti), who was reigning in the Punjab at the close of the fourth century B.C., are purely Greek in style (Pl. XIII, 34), having seemingly been copied from an issue of Seleucus Nicator, with whom Sophytes probably came into contact when the former invaded the Punjab in 305 B.C. It is the same, also, with the contemporary terracottas. Side by side with products of Perso-Hellenic art, such as those illustrated in Pl. XIV, 35 and 36, the features of which are markedly classical in character, is found a class of coarse primitive reliefs, the execution of which betrays their Indian origin, though in a few cases, such as that illustrated in Pl. XIV, 37, the type of the winged figure depicted on them is derived from Persian or Mesopotamian prototypes. Indeed, so far as is known at present, it was only in the jewellers' and lapidaries' arts that the Maurya craftsman attained any real proficiency, and in this domain his aptitude lay, not in the plastic treatment of form, but in the high technical skill with which he cut and polished refractory stones or applied delicate filigree or granular designs to metal objects. The refined quality of his gold and silver work is well illustrated in two pieces reproduced in Pl. XIV, 38, 39, which were discovered on the site of Taxila in company with a gold coin of Diodotus, a large number of local punch-marked coins, and a quantity of other jewellery and precious stones. Of the stone-cutter's art, also, some beautiful examples are furnished by the relic caskets of beryl and rock crystal from the *stūpas* of Bhattiprolu[1] and Piprahwa[2], the latter of which is probably to be assigned to this epoch (Pl. XIV, 40).

The art of the jeweller has at all times appealed strongly to the Indian genius, and throughout Indian history has exercised a deep influence upon the national sculpture and painting, supplying them with a variety of rich and artistic motifs which were quickly and cleverly adapted for purposes of decorative design, but at the same time inclining the ideas of the artists towards meticulous detail and thus obstructing a free, bold, anatomical treatment of the human figure.

With the rise of the Çuṅga power in Hindustān during the second century B.C. and the simultaneous extension of the Bac-

[1] Cf. Rea, *South Indian Buddhist Antiquities*, vol. xv, *A.S.R.* (New Imperial Series).

[2] *J.R.A.S.*, 1898, p. 573 and Plate.

trian dominion to the Punjab, the national art of India underwent a rapid development. Foreign and especially Hellenistic ideas now flowed eastward in an ever-increasing volume, and from them the Indian artist drew new vitality and inspiration for his work. At the same time stone more and more usurped the place of wood for architectural purposes, and by reason of its greater durability tempted the artist to expend more pains upon its carving, while it naturally lent itself to more perfect technique. Of the monuments of this period, the most notable is the Buddhist *stūpa* at Bhārhut in Central India, erected about the middle of the second century B.C. Before its discovery by Sir A. Cunningham in 1873, the body of this *stūpa* had been almost destroyed by the neighbouring villagers, but portions of the eastern gateway (*toraṇa*) and of the railings which encircled the monument were found beneath its ruins and are now deposited in the Calcutta Museum. The *stūpa* itself was of brick, and apparently of much the same design as the Great *stūpa* at Sānchī, described below. Around the base was a massive stone railing of the usual type, divided into four quadrants by entrances at the cardinal points, while other railings of smaller dimensions, of which fragments have been found around the structure, once flanked the berm and ascending stairway, and no doubt enclosed the crowning *hti*. At the eastern entrance was a gateway about 22 feet 6 inches in height (Pl. XV, 41), and possibly similar gateways may once have adorned the other entrances also, though no remains of them have been found. Both gateway and railings are lavishly enriched with sculptured reliefs, many of which illustrate incidents in the *Jātakas* or scenes connected with the life of the Buddha, and these illustrations are made all the more valuable by the descriptive titles attached to them, which leave no doubt as to their identification. Thus, one relief depicts the Nāga Jātaka; another (Pl. XVI, 42), the dream of Māyā; a third, the Jetavana at Çrāvastī, with its trees and shrines and the ground half strewn with coins which Anāthapiṇḍa is taking from a bullock cart; others, again, represent the royal processions of Ajātaçatru or Prasenajit visiting the Buddha (Pl. XVI, 43); and in others is depicted the worship of Buddha's head-dress in the Devaloka (Pl. XVI, 44), or of the Bodhi-tree by the Nāga king Erāpata (Pl. XVI, 45). Besides these and many other miscellaneous scenes there are a multitude of single images carved in high relief upon the pillars of the rail—Yakshas and Yakshīs, Devatās or Nāgarājas (Pl. XVII, 46, 47). The style of the carvings on the

ground rail is by no means uniform. Some show little advance on the indigenous work of the previous century, the defects of rudimentary technique being almost as striking in these reliefs as they were in indigenous sculpture in the round. In such cases the figures are portrayed as silhouettes sharply detached from their background, an effort towards modelling being made merely by grading the planes of the relief in severe and distinctive layers, and then rounding off the contours of the silhouette or interior details. At the same time the forms are splayed out to the verge of distortion, and the influence of mental abstraction on the part of the artist is still manifest in the treatment of the feet or of hands in the attitude of prayer, which, irrespective of anatomical accuracy, are turned sideways and presented in their broadest aspect. In other carvings, the treatment of the relief is more mature. In these, occasional traces of mental abstraction, due to force of habit, are still visible, and they all show the same aversion to depth, but the individual figures are conceived and modelled in general conformity with nature, not in a gradation of separate planes or as mere silhouettes, and are presented, moreover, at various angles and in a variety of natural poses. This superior execution is shared, also, by some of the sculptured balusters between the architraves of the eastern gateway, and it is significant that these balusters are further distinguished by the un-Indian countenances of the figures carved upon them and by the presence of Kharoshṭhī letters engraved as masons' marks in contradistinction to the Brāhmī characters which appear on the railing. The only rational explanation of these phenomena is that some of the sculptors engaged on this railing came from the north-west of India, where, thanks to western teaching, the formative arts were then in a more advanced state, and that these sculptors were responsible for the better class of reliefs, the inferior work being done by the local artists of Central India. In this connexion a special interest attaches to a *Garuḍa* pillar (Pl. XVIII, 48) set up about this time at Besnagar near Bhīlsa, the ancient Vidiçā, in Gwalior State, the inscription on which states that it was dedicated to Vāsudeva by a Greek named Heliodorus, an inhabitant of Taxila and an envoy of King Antialcidas, and thus furnishes incontrovertible evidence of the contact which was then taking place between this part of India and the Greek kingdoms of the Punjab.

The next important landmark in the history of the early Indian school is supplied by the well-known railing round the great

Temple at Buddh Gayā and the pillars of the *chaṅkrama* or promenade to the north of it. This railing (Pl. XIX, 49) was disposed in a quadrangle measuring 145 feet by 108 feet, but in other respects was designed and adorned in much the same way as the rail at Bhārhut. On the outside of the coping was a continuous band of flowers; on the inside, a frieze of animals or mythical monsters; on the cross-bars, lotus medallions centred with busts or other devices; and on the upright pillars, standing figures in high relief (Pl. XIX, 50) or medallions and panels containing a variety of miscellaneous scenes.

As at Bhārhut, many of these sculptures are relatively crude and coarse—the handiwork, no doubt, of inferior local craftsmen; but it needs no very critical eye to perceive that, taken as a whole, their style is considerably more developed than that of the Bhārhut reliefs and, at the same time, more pronouncedly affected by the influence of western art. Witness, for instance, in the matter of technical treatment, the freer movement of planes leading to more convincing spatial effect, the more organic modelling of the figures, the relative freedom of their pose and composition, and the effort to bring them into closer relationship one with the other; and witness, again, in the matter of motifs, the centaurs, winged monsters, and tritons, the schematic treatment of the animal friezes, and the scene of Sūrya in his four-horse chariot copied directly from a Hellenistic prototype (Pl. XIX, 51). These and many other features of the Buddh Gayā railing prove incontestably that at the time of its erection Indian sculptors were borrowing freely from the hybrid cosmopolitan art of Western Asia, in which Greek and Scythic, Persian and Mesopotamian cultures were blended and fused together, and that, partly under this alien inspiration, partly through their own initiative, they had made important progress since the time when the Bhārhut reliefs were executed. On the other hand, in point of development the reliefs of Buddh Gayā fall short of those on the *toraṇas* at Sānchī, which, as we shall see below, are to be assigned to the latter half of the first century B.C., and accordingly we shall probably not be far wrong if we assign the Buddh Gayā monuments to the earlier years of the same century. This date, let it be added, is substantiated by inscriptions on two of the rail pillars recording that they were presented by the Queens of King Indramitra and King Brahmamitra, respectively. These two kings have been plausibly identified with the two rulers of the same names, whose coins have been found in considerable numbers in Northern India, and who, whether

they were connected with the Çuṅga dynasty or not, appear from the script of their coin legends to have flourished not earlier than the first century B.C. (pp. 525–6; Pl. V, 4, 6).

We come now to the famous gateways of Sānchī, the most perfect and most beautiful of all the monuments of the Early School. Four of these adorn the four entrances to the Great *stūpa* situated on the levelled summit of the hill; the fifth—a gateway of smaller proportions—is set in front of a subsidiary *stūpa* (No. III) close by, to the north-east. As it now stands, the Great *stūpa* (Pl. XX, 53) is about 54 feet high, excluding the rail and umbrella on its summit, and consists of an almost hemispherical dome set on a lofty plinth, the narrow berm between the two serving in old times as a processional path. This was not, however, its original form. The earliest structure, which was erected, apparently, by Açoka at the same time as the lion-crowned pillar near the South Gateway (p. 622 above), was of brick, crowned by a stone umbrella, and of not more than half the present dimensions. At that time, the floor laid around the *stūpa* and column by the workmen of Açoka was several feet below the present level. As years passed by, however, much *débris* collected above this floor, and over the *débris* another floor was laid, and then a third one, still higher up, and last of all—at least a century after the erection of the column—a stone pavement covering the whole hill-top. These facts have an intimate bearing on the history of this important monument; for, simultaneously with the laying of this final pavement, the *stūpa* itself was also enlarged to its existing size by the addition of a stone casing faced with concrete; on its summit was set a larger umbrella with a plain stone rail in a square around it, and encircling its base another rail equally plain but of more massive proportions. These works, and particularly the erection of the great ground rail, the pillars, bars, and copings of which were the gifts of many devotees, must have taken many decades to accomplish. Then came the construction of smaller decorated rails round the berm of the *stūpa* and flanking the steps by which it was ascended; and, finally and to crown all, the four gateways at the entrances between the quadrants of the ground rail, which can hardly be relegated to an earlier date than the last half century before the Christian era.

These two *stūpas* with their richly carved *toraṇas* are not the only monuments of an early age on the hill-top of Sānchī. To the south-east of the Great *stūpa* is a lofty plinth of stone, approached by two broad stairways and surmounted by rows of heavy octagonal

pillars, which once supported a superstructure of wood; the pillars bear inscriptions in early Brāhmī, probably of the first century B.C., but the plinth dates back to Çuṅga or Maurya times, and was originally rounded at its southern end, having served apparently as the base of an apsidal temple of wood, which perished by burning before the stone pillars were erected. Then, in the south-west part of the enclosure, there is another plinth of a similar type but square in plan; and on a lower spur of the same hill is another *stūpa* (Pl. XXI, 54), designed on the same lines as the Great *stūpa*, but without any *toraṇas* to adorn the entrances, and with this further difference, that its ground rail is lavishly decorated with sculptured panels and medallions. These reliefs present the same phenomenon, but in a more accentuated measure, that we observed in the railing of Buddh Gayā. A few, that is to say—and these are confined to the corner pillars of the entrance—are of a refined style and infused with a strongly classical feeling (Pl. XXI, 55, 56); but the majority, though remarkably decorative, and, indeed, better adapted to their purpose, are conspicuous for their crude, coarse workmanship (Pl. XXI, 57, 58). In this case, however, it is important to observe that the two classes of reliefs were not executed at one and the same time; for an examination of the rail shows that the whole of it was originally adorned with the more primitive kind of carvings, and that some of these were subsequently chiselled off in order to make way for the more finished reliefs.

To revert, however, to the gateways of the Great *stūpa*, in which the interest of Sānchī mainly resides. The earliest of them to be erected was the one at the south entrance, opposite to the steps by which the berm was approached; then followed, in chronological order, the northern, the eastern, and the western, their succession in each case being demonstrated by the style of their carvings and by the tectonic character of the extensions to the rail, which were made at the time that each was set up. All four gateways are of similar design—the work of carpenters rather than of masons—and the marvel is that erections of this kind, constructed on principles wholly unsuited to work in stone, have survived in such remarkable preservation for nearly two thousand years. Each gateway was composed of two square pillars surmounted by capitals, which in their turn supported a superstructure of three architraves with volute ends, ranged one above the other at intervals slightly in excess of their own height. The capitals were adorned with standing dwarfs or with the forefronts of lions or elephants set back to back in the Persepolitan fashion; and,

springing from the same abacus and acting as supports to the projecting ends of the lowest architrave, were Caryatid figures of graceful and pleasing outline. Other images of men and women, horsemen, elephants, and lions were disposed between and above the architraves, while crowning and dominating all was the sacred wheel, so inseparably connected with Buddhism, flanked on either side by attendants and *triçūla* emblems. For the rest, both pillars and superstructure were elaborately enriched with bas-reliefs illustrative of the *Jātaka* legends or scenes from the life of the Buddha or important events in the subsequent history of the Buddhist religion. Besides which, there were representations of the sacred trees and *stūpas* symbolical of Çākyamuni and the preceding Buddhas; of real or fabulous beasts and birds; and many heraldic and floral devices of rich and varied conception (Pl. XXI, 59).

The inscriptions carved here and there on the gateways record the names of pious individuals or of gilds who contributed to their erection, but say not a word, unfortunately, of the scenes and figures delineated, the interpretation of which has been rendered all the more difficult by the practice, universal in the Early School, of never portraying the Buddha in bodily form, but of indicating his presence merely by some symbol, such as his foot-prints or the throne on which he sat or the sacred tree associated with his enlightenment. Thanks, however, to the light afforded by the sculptures of Bhārhut, with their clear, explicit titles, and thanks, also, to the brilliant labours of Mons. A. Foucher and Prof. Grünwedel, the interpretation of the majority of these reliefs has now been placed beyond dispute, and it will probably not be long before the meaning of the rest becomes equally clear. A good illustration of the methods of narration followed by the artists and of what has been achieved towards the interpretation of the sculptures, is afforded by the front façade of the East Gateway (Pl. XXII, 60). On the right pillar are represented, in six panels, the six *devalokas* or stages of the Buddhist Paradise, their respective deities seated like mortal kings in each. On the left, starting from the base, is Bimbisāra with his royal cortege issuing from the city of Rājagṛiha on a visit to the Buddha, here symbolised by his empty throne. This visit took place after the conversion of Kāçyapa, and in the panel above is depicted one of the miracles by which Buddha converted the Brāhman ascetic. The Nairañjanā river is shown in flood, with Kāçyapa and two of his disciples hastening in a boat to the rescue of Buddha. Then,

in the lower part of the picture, Buddha, represented again by his throne, appears walking on the face of the waters, and in the fore-ground the figures of Kāçyapa and his disciples are repeated, now on dry ground and doing homage to the Master. The third panel portrays the temple at Buddh Gayā, built by Açoka, with the throne of Buddha within, and, spreading through its upper windows, the branches of the sacred tree. It is the illumination of Buddha; and to right and left of the temple are four figures in an attitude of prayer—perhaps the Guardian Kings of the four quarters; while ranged above in two tiers are groups of deities looking on in adoration from their celestial paradises. The scenes on the lintels are still more elaborate. On the lowest we see, in the centre, the temple and tree of Buddh Gayā; to the left, a crowd of musicians and devotees with water vessels; to the right, a royal retinue and a king and queen descending from an elephant, and afterwards doing worship at the tree. This is the ceremonial visit which Açoka and his queen, Tishyarakshitā, paid to the Bodhi-tree, for the purpose of watering it and restoring its pristine beauty after the evil spell which the queen had cast upon it. The middle lintel is occupied with the scene of Buddha's departure from Kapilavastu (*mahābhinishkramaṇa*). To the left is the city with wall and moat, and, issuing from its gate, the horse Kaṇṭhaka, his hoofs supported by Yakshas and accompanied by the divinities in attendance on the Buddha, and by Chhandaka, his groom, who holds the umbrella symbolical of his Master's presence. In order to indicate the progress of the Prince, this group is repeated four times in succession towards the right of the relief, and then, at the parting of the ways, we see Chhandaka and the horse sent back to Kapilavastu, and the further journey of Buddha indicated by his footprints surmounted by the umbrella. Lastly, in the topmost lintel, are representations of the seven last Buddhas, the first and last symbolised by thrones beneath their appropriate Bodhi-trees, the rest by the *stūpas* which enshrined their relics.

On the execution of these sculptures, with their multitudinous figures and elaborate details, many years of labour must have been exhausted and many hands employed. It is not to be expected, therefore, that their style should be uniform; yet there is none of the clumsy, immature workmanship here which we noticed in the inferior carvings of the balustrade round the smaller *stūpa* and at Buddh Gayā. These reliefs are the work of trained and experienced sculptors, and though they exhibit considerable variety in

their composition and technical treatment, their style throughout is maintained at a relatively high level. The finest are on the Southern Gateway, the poorest on the Northern; but in the matter of technique, the greatest contrast, perhaps, is afforded by the reliefs of the Southern and Western Gateways. Compare, for example, the scene on the inner face of the middle architrave of the South Gateway, depicting the Chhaddanta Jātaka, and the same scene on the front face of the lowest architrave of the Western Gateway (Pl. XXIII, 61, 62). In the former, the figures are kept strictly in one plane, in order that all may be equally distinct to the observer, and the relief low, that there may be no heavy shadows to obscure the design, with the result that the effect is that of a tapestry rather than of a carving in stone. The elephants, again, are treated in broad flat surfaces with a view to emphasising their contours; the trees sketched in rather than modelled; and the lotus pond indicated by conventional lotuses out of all proportion to the size of the beasts wading through it. In the latter, the leaves and flowers are of normal size; the water is portrayed by undulating lines; the banyan tree is realistically true to nature; the modelling of the elephants is more forceful and elaborate; and, though the figures are kept religiously to one plane, strong contrasts of light and shade and a suggestion of depth are obtained by cutting deep into the surface of the stone. Both reliefs are admirable in their own way, but there can be no two opinions as to which of the two is the more masterly. The one on the South Gateway is the work of a creative genius, more expert perhaps with the pencil or brush than with the chisel, but possessed of a delicate sense of line and of decorative and rhythmic composition. That on the West, on the other hand, is technically more advanced, and the individual figures, taken by themselves, are undoubtedly more effective and convincing; but it fails to please, because the detail is too crowded and confusing, and the composition too regular and mechanical. The same remark holds good, if we compare the 'war of the relics' on the Southern Gateway, with the somewhat similar scene on the Western (Pl. XXIII, 63, 64). In both there is abundance of fancy and expressive movement, but the movement and fancy are of a different order. In the earlier, the scene is living and real, because the artist has conceived it clearly in his own brain and expressed his conception with dramatic simplicity; in the later, the houses and the figures framed in the balconies are stereotyped and lifeless, and the movement and turmoil of the crowd surging towards the city less convincing,

because the artist has depended not so much upon his own originality as upon the conventional treatment of such scenes. In the earlier, the depth of the relief and the intervals between the figures are varied, and the shadows diffused or intensified accordingly; in the later, the figures are compressed closely together, with the result that the shadows between them become darker, and a 'colouristic' effect is thus imparted to the whole. In the earlier, lastly, the composition is enhanced by varying the directions in which the figures move; in the later, though the attitudes are manifold, the movement taken as a whole is uniform. These differences in style are due in a large measure to the individuality of the artists, but they are due, also, to the changes which were coming over Indian relief consequent on the deepening of extraneous influences, on improved technical skill, and on the growing tendency towards conventionalism. The extraneous influences referred to are attested by the presence of exotic motifs, which meet the eye at every point and are readily recognised—by the familiar bell capitals of Persia, by floral designs of Assyria, by winged monsters of Western Asia, all of them part and parcel of the cosmopolitan art of the Seleucid and succeeding empires of the West, in which the heterogeneous elements of so many civilisations were fused and blended together. But it is attested still more forcibly by the striking individuality of many of the figures, as, for instance, of the hill-men riders on the Eastern Gate, by the occasional efforts towards spatial effects, as in the relief of the ivory workers of Vidiçā, by the well-balanced symmetry of some of the groups, and by the 'colouristic' treatment with its alternation of light and dark, which was peculiarly characteristic of Graeco-Syrian art at this period. By the side of these mature and elaborate compositions the reliefs of Bhārhut are stiff and awkward, and, as we recall their features to mind, we are conscious of the gulf which separates the two and of the great advance that sculpture must have made during the century or more that elapsed between them. The wonder is that these monuments could ever have been classed together or regarded as products of one and the same epoch.

The steady growth of plastic art which we have traced in the foregoing pages derives additional light from the pre-Kushāṇa sculptures of Mathurā, which are the more instructive, because they all emanate from one and the same school. These sculptures divide themselves into three main classes, the earliest belonging approximately to the middle of the second century B.C.; the second

to the following century; and the last associated with the rule of the local Satraps. Of these, the first two are so closely akin in style to the reliefs of the Bhārhut rail and Sānchī *toraṇas*, respectively, that it is unnecessary to dwell further upon them. The sculptures of the third class are more exceptional. Their style is that of the Early School in a late and decadent phase, when its art was becoming conventionalised and lifeless. Typical examples are the plaques reproduced in Pl. XXIV, 65, 66, the former a Jain *āyāgapaṭa* or votive tablet dedicated, as the inscription on it informs us, by a courtesan named Loṇaçobhikā; the latter, which is decorated on both sides, from a small *toraṇa* arch. In all works of the Mathurā school of this period the same tendency towards schematic treatment is apparent, but it appears to have affected the Jain sculpture more than the Buddhist. The dramatic vigour and warmth of feeling which characterised the reliefs of the Sānchī gateways is now vanishing; the composition is becoming weak and mechanical, the postures formal and stilted. The cause of this sudden decadence is not difficult to discover. A little before the beginning of the Christian era Mathurā had become the capital of a Satrapy either subordinate to or closely connected with the Scytho-Parthian kingdom of Taxila[1], and, as a result, there was an influx there of semi-Hellenistic art, too weak in its new environment to maintain its own individuality, yet still strong enough to interrupt and enervate the older traditions of Hindustān. It was no longer a case of Indian art being vitalised by the inspiration of the West, but of its being deadened by its embrace. As an illustration of the close relations that existed between Mathurā and the North-West, the votive tablet of Loṇaçobhikā is particularly significant, the *stūpa* depicted on it being identical in form with *stūpas* of the Scytho-Parthian epoch at Taxila, but unlike any monument of the class in Hindustān. Another interesting votive tablet of the same class is one dedicated by a lady named Āmohinī in the reign of the Great Satrap Çoḍāsa, which, to judge by the style of its carving, dates from about the beginning of the Christian era.

Wherever important *stūpas* like those described above were erected, monasteries were also provided for the accommodation of the monks or nuns residing on the spot, and chapels or *chaitya* halls in which they could assemble for their devotions. The monasteries, as might be expected, were designed on the same

[1] For an account of another most important monument, the Lion-Capital, see Chapter XXIII, pp. 575–6, where the date of the Āmohinī tablet is also discussed.

plan as private houses: that is, with an open square courtyard in the centre surrounded on the four sides by a range of cells. Perhaps the earliest existing example of such a monastery is one by the side of the Piprahwa *stūpa* (p. 623), which is said to be built of bricks of much the same size and fabric as those employed in the *stūpa* itself. As a rule, however, the early architects built their structural monasteries and *chaitya* halls either wholly of wood or with a superstructure of wood set on a stylobate of stone, like the more primitive temples of Greece; and it was not until about the first century B.C. that more durable materials came into vogue for pillars and walls, and not until a still later period that they came to be used for entablature and roofs. The *chaitya* halls were remarkably similar in plan to the early Christian *basilicas*, being divided by two rows of columns into a nave and two narrow side aisles, which were continued round the apse. The only remains of such structural halls prior to the Christian era are those at Sānchī and Sonārī in the Bhopāl State of Central India. In both cases the superstructure seems to have been of wood, and what now survives of the original hall consists only of a lofty stone plinth approached by flights of steps, but the form of the plinth and the plan of the interior foundations leave no doubt that the superstructure must have been similar in design to the rock-hewn *chaitya* halls of Western India.

While these structural edifices—*stūpas*, chapels, and monasteries—were being erected in Hindustān, the Buddhists and Jains of Western and Eastern India were engaged in fashioning more permanent monuments of the same class by hewing them from the living rock. The practice of hollowing out chambers had been common in Egypt from time immemorial, and by the sixth century B.C. had spread as far east as Persia, where the royal tombs of Darius and his successors of the Achaemenian dynasty up to the time of Codomannus (335–330 B.C.) were excavated in the cliffs of Naksh-i-Rustam and Persepolis. From Persia the idea found its way during the third century before our era into Hindustān and resulted, as we have already seen, in the excavation of dwelling places and chapels for ascetics in the Barābar hills of Bihār. These artificial caves of the Maurya period were of very modest proportions, and were at first kept severely plain, or, like their Irānian prototypes, adorned only on the outer façade. As time went on, however, the Indian excavators became more ambitious and, rapidly expanding their ideas, proceeded to copy their structural *chaitya* halls and *vihāras* on the same scale as the originals, and

to imitate their details with an accuracy which says more for their industry and patience than for the originality of their genius. So literal, indeed, was the translation of wooden architecture into the new and more durable material, that infinite toil was expended in perpetuating forms which became quite meaningless and inappropriate when applied to stone. Thus, in wooden structures there had been valid enough reason for inclining pillars and door jambs inwards, in order to counteract the outward thrust of the curvilinear roof, but, reproduced in stone, this inclination entirely missed its purpose and served only to weaken instead of strengthening the supports. Again, it was mere waste of labour to copy roof timbers; still greater waste was it, first to cut away the rock and then insert such timbers in wood, as was done in some of the earlier caves.

This close imitation of wooden construction affords a useful criterion for determining the relative ages of these rock-hewn monuments, since it is logical to infer that the older the cave, the nearer it is likely to approximate to its wooden prototypes. But this index of age must not be pressed too far; for, though the rule generally holds good, there are many exceptions to it, and in every case, therefore, careful account must be taken of other features also, and especially of the plastic treatment of the sculptures and decorative ornaments which are found in many of the caves.

Among the earlier *chaitya* halls of Western India the finest examples are those at Bhājā, Kondāne, Pitalkhorā, Ajanta, Bedsā, Nāsik, and Kārli. The plan and general design of these halls is approximately the same, and the description of one will suffice for all. The finest example, undoubtedly, is the hall at Kārli (Pl. XXV, 67, 68), which is at once the largest, the best preserved, and most perfect of its type. It measures 124 feet 3 inches long by 45 feet 6 inches wide and is of the same apsidal plan as the contemporary structural *chaityas* referred to above. Between the nave and the aisles is a single row of thirty-seven columns, of which those round the apse are of plain octagonal form, while the remainder, to the number of fifteen on either side of the nave, are provided with heavy bases and capitals of the bell-shape type surmounted by kneeling elephants, horses, and tigers, with riders or attendants standing between. Above these figures and rising to a height of 45 feet at its apex, springs the vaulted roof, beneath the soffit of which is a series of projecting ribs, not carved out of the stone itself, but constructed of wood and attached to the roof. At the apsidal end of the hall

the vault terminates in a semi-dome, beneath which, and hewn like the rest of the hall out of the solid rock, is a *stūpa* of familiar shape with a crowning umbrella of wood above. At the entrance to the hall is a screen pierced by three doorways, one leading to the nave, the others to the side aisles; this screen rose no higher than the tops of the pillars within the hall, and the whole of the open space above it was occupied by a great horse-shoe window, within which there still remains part of its original wooden centring. It was through this window that all light was admitted into the hall, the nave and the *stūpa* being thus effectively illuminated, but the side aisles left in comparative darkness. In front of the entrance to the hall was a porch 15 feet deep by about 58 feet high, and as wide as it was high, closed in turn by a second screen consisting of two tiers of octagonal columns, with a solid mass of rock between, once apparently decorated with wooden carvings attached to its façade.

Though similar in general disposition to the one at Kārli, the *chaitya* halls at the other places mentioned above vary considerably in their dimensions and details. Thus the halls at Bhājā and Kondāne (Pl. XXVI, 69) are about 60 feet long, the earliest at Ajanta 96 feet, and that at Nāsik (Pl. XXVI, 72) 45. At Bhājā, Kondāne, Pitalkhorā, and the earliest at Ajanta, the screen which closed the entrance to the hall was originally of wood, and in all these caves, as well as in those of Bedsā and Nāsik, the pillars incline inwards to a greater or less degree. In the Ajanta hall, again, the pillars are quite plain without base or capital, and here, as at Pitalkhorā, the coved ceiling of the side aisles is adorned with coffers, the ribs between which are carved from the rock, not framed in wood.

From these and other peculiarities in their construction and decoration it has generally been inferred that the earliest of all the *chaitya* halls to be excavated were those at Bhājā, Kondāne, and Pitalkhorā, together with the tenth cave at Ajanta; that next to them in chronological order came the hall at Bedsā; then the ninth cave at Ajanta, followed closely by the *chaitya* at Nāsik; and, lastly, the great hall at Kārli. On the assumption, moreover, that the *chaitya* at Nāsik is of about the same age as the small *vihāra* close by, and that the Andra king Krishṇa, during whose reign the latter was excavated, was reigning at the beginning of the second century B.C., the conclusion has been drawn that the four earliest caves were excavated towards the close of the third century B.C., the cave at Bedsā during the first or second decade

of the second century B.C., those at Nāsik about 160 B.C., and the one at Kārli about 80 B.C. Against this chronology, however, there are insuperable objections based on epigraphical as well as plastic and architectural considerations. In the hall at Kārli, for example—to take the last of the series first—is an inscription recording that it was the work of one Seṭh Bhūtapāla of Vaijayantī, whose age cannot for epigraphical reasons be far removed from that of Ushavadāta, the son-in-law of the Kshatrapa Nahapāna. In this cave, too, the form of the pillars and the modelling of the stately sculptures above them preclude an earlier date than the first century of our era. Again, in the *chaitya* hall at Nāsik the form of the entrance doorway, the lotus design on the face of its jambs, the miniature Persepolitan pilasters, the rails of the balustrade flanking the steps and the treatment of the *dvārapāla* figure beside the entrance—all bespeak a date approximately contemporary with the Sānchī *toraṇas*, and at least a century later than the work of Bhārhut. Equally strong are the objections in the case of the Bhājā and Bedsā *chaityas*, the sculptures of which are too fully developed to have been executed before the first century B.C., while, as regards the latter hall, the design of the ponderous columns in front of the entrance and the modelling of the figures surmounting them, though manifestly earlier than the work at Kārli, cannot be removed from it by a long period of time. From these and many other indications of a similar nature it is apparent that the chronology of these caves needs complete revision. At present it seems hardly possible to avoid the conclusion that the whole series of these rock-cut halls—from the one at Bhājā to that of Kārli—are more modern by at least a century than has been usually supposed, and that Messrs Fergusson and Burgess were not far from the truth, when in their work on the *Cave Temples of India* they assigned the Nāsik Hall to the latter half of the first century B.C.

The above remarks apply in an equal degree to the other great class of rock-cut remains—namely, the *vihāras* or residential quarters of the monks. These *vihāras* call for little comment. The most perfect examples of them were planned like the structural edifices of the same class, but with this unavoidable difference, that the range of cells on one side of the court was replaced in the cave *vihāras* by an open verandah, through which light and air could be freely admitted to the interior. In other cases, and among these are to be reckoned the majority of the early *vihāras*, the plan is irregular, the cells being disposed in one or two rows only,

and often at erratic angles; while in one instance—at Bedsā—they are ranged round an apsidal court, manifestly imitated from a *chaitya* hall. A striking feature of these *vihāras* and one in which they present a great contrast to those of the Eastern Coast, is the almost total absence of figure sculpture. In nearly all the examples known to us the façades of the cells are embellished only by simple architectural motifs, such as horse-shoe arches, rails, lattices, and merlons, and it is only in rare instances, as at Nadsūr (Pl. XXVI, 71) and Pitalkhorā, that the severity of this treatment is relieved by figures of Lakshmī placed over the doors or pillars, or by pilasters of the Persepolitan type surmounted by kneeling animals. In only one *vihāra* is there any attempt at more diversified sculpture. This is at Bhājā, where standing figures of guards and more elaborate scenes are executed in relief on the walls of the verandah and interior hall. One of these scenes, from the west end of the verandah, is illustrated in Pl. XXVI, 70. It depicts a four-horse chariot with three figures—a male and two females—riding within, attendant horsemen at the side, and monster demons beneath. This composition has been interpreted as the car of Sūrya accompanied by his two wives driving over the demons of darkness, but it is more than doubtful if this interpretation is correct. Four-horse chariots of this type are a familiar motif in early Indian art, and in this instance there is nothing special to indicate the identity of Sūrya.

The composition of these sculptures is strangely bizarre and fanciful, and their style, generally, is not of a high order; but it is easy to perceive from the technique of the relief work, from the freedom of the composition and of the individual poses, as well as from the treatment of the ornaments, that they are to be classed among the later efforts of the Early School, not among its primitive productions. Their date certainly cannot be much earlier than the middle of the last century before the Christian era.

Of the early caves along the East Coast the only ones that merit attention here are the two neighbouring and intimately connected groups on the hills of Udayagiri and Khandagiri in Orissa. Unlike the rock-hewn monuments of Western India described above, which were the handiwork of Buddhists, these Orissan caves were both excavated and for many years tenanted by adherents of the Jain religion, who have left behind them unmistakable evidences of their faith both in the early inscribed records and in the medieval cult statues which are found in several of the caves. To this sectarian difference is due many distinctive features of the archi-

tecture, including, among others, the entire absence of *chaitya* halls, for which, apparently, there was no need in the ceremonial observances of the Jains. Taken together, the two groups comprise more than thirty-five excavations, of which the more remarkable in point of size and decoration are the Ananta Gumphā on Khandagiri, and the Rānī Gumphā, Ganesh Gumphā, and the Jayavijaya caves on the Udayagiri hill. Besides these, there are two caves in the Udayagiri group—namely, the Hāthi Gumphā and the Manchapurī cave—to which a special interest attaches by reason of the inscriptions carved on them. Of the whole series the oldest is the Hāthi Gumphā, a natural cavern enlarged by artificial cutting, on the over-hanging brow of which is the famous epigraph recording the acts of Khāravela, King of Kaliṅga. This inscription was supposed by Pandit Bhagvānlāl Indrājī and others to be dated in the 165th year of the Maurya epoch, which, if reckoned from the accession of Chandragupta, would coincide with 157–6 B.C. Other scholars have, however, since denied that any such date occurs in the inscription, and, at the present time, there is still a sharp division of opinion on the point[1]. In the absence of an undoubted date in this record or in the records of Khāravela's Queen and of his successor (?) in the Manchapurī cave, we must endeavour to determine the age of these monuments from other sources of information. In the case of the Manchapurī cave, the problem luckily derives some light from the style of the sculptured reliefs of the interior. This cave, erroneously called Vaikuṇṭha or Pātālapurī by earlier writers, possesses two storeys, the lower (Pl. XXVII, 73) consisting of a pillared verandah with chambers hollowed out at the back and at one end; the upper of similar design but of smaller dimensions, and without any chamber at the extremity of the verandah.

It is in the upper storey of this cave that the inscription of Khāravela's Queen is incised, while in the lower are short records stating that the main and side chambers were the works, respectively, of Vakradeva (Vakadepasiri or Kudepasiri), the successor, apparently, of Khāravela, and of Prince Vaḍukha. It may be presumed, therefore, that the upper storey is the earlier of the two. The rail pattern which once adorned the broad band of rock between the two storeys is now all but obliterated, but in the ground-floor verandah is a well preserved frieze which confirms by its style what the inscriptions might otherwise lead us to

[1] See Chapter xxi, pp. 534 ff.

suppose: namely, that, next to the Hāthi Gumphā, this was the most ancient cave in the two groups. Some of the reliefs of this frieze are illustrated in Pl. XXVII, 74. Like most of the sculptures in this locality they are of poor, coarse workmanship, but in the depth of the relief and plastic treatment of the figures they evince a decided advance on the work of Bhārhut, and, unless it be that sculpture in this part of India had undergone an earlier and independent development (a supposition for which there is no foundation) it is safe to affirm that they are considerably posterior to the sculptures of Bhārhut. Next, in chronological sequence, comes the Ananta Gumphā—a single-storeyed cave planned in much the same way as the Manchapurī, which seems to have been the prototype of all the more important caves excavated on this site. Over the doorways of this cave are ornamental arches enclosing various reliefs; in one is a standing figure of Lakshmī supported by the usual elephants on lotus flowers (Pl. XXVII, 75); in another is the four-horse chariot of the Sun-god (?) depicted *en face*, with the crescent moon and stars in the field; in a third are elephants; in a fourth, a railed-in tree and figures to right and left of it bearing offerings in their hands or posed in an attitude of prayer. The arch fronts themselves are relieved by bands of birds or of animals and Amorini at play or of garlands intertwined, and over each is a pair of triple-headed snakes, while in the intermediate spaces are flying Gandharvas disposed in separate panels (Pl. XXVII, 76). The last mentioned are more stiff and schematic than the similar figures in the Manchapurī cave, and this taken in conjunction with other features, such as the chubby Amorini and the treatment of the Sun-god's chariot, seems to indicate for these sculptures a date not much earlier than the middle of the first century B.C. A further stage in the development of this architecture is reached in the Rānī Gumphā, which is at once the most spacious and elaborately decorated of all the Orissan caves (Pl. XXVIII, 79). It consists of two storeys, each originally provided with a verandah—the lower 43 feet in length with three cells behind, the upper 20 feet longer with four cells behind; in addition to which there are chambers of irregular plan in the wings, to right and left of the verandahs. In both storeys the façades of the cells are enriched with pilasters and highly ornate friezes illustrating episodes connected with the Jain religion, of which unfortunately the interpretation has not yet been established. The friezes resemble each other closely, so far as their general treatment is concerned, but the style of the sculptures in the two storeys is

widely different. In the upper (cf. Pl. XXVIII, 78) the composition is relatively free, each group forming a coherent whole, in which the relation of the various figures to one another is well expressed; the figures themselves are posed in natural attitudes; their movement is vigorous and convincing; and from a plastic and anatomical point of view the modelling is tolerably correct. In the lower, on the other hand, the reliefs are distinctly elementary and crude. The best of them, perhaps, is the group reproduced in Pl. XXVIII, 77, but even here the figures are composed almost as independent units, connected only by their tactile contiguity; their postures, too, are rigid and formal, particularly as regards the head and torso, which are turned almost direct to the spectator, and in other respects the work is stiff and schematic. At first sight, it might appear that in proportion as these carvings are more primitive-looking, so they are anterior to those of the upper storey; but examined more closely they betray traces here and there of comparatively mature art, which suggest that their defects are due rather to the clumsiness and inexperience of the particular sculptors responsible for them than to the primitive character of plastic art at the time when they were produced. Accordingly, it seems probable that in this cave, as in the Manchapurī, the upper of the two floors was the first to be excavated, though the interval of time between the two was not necessarily a long one; and there is good reason, also, to suppose that the marked stylistic difference between the sculptures of the two storeys was the result of influence exercised directly or indirectly by the contemporary schools of Central and North-Western India. In this connexion a special significance attaches to the presence in the upper storey of a doorkeeper garbed in the dress of a Yavana warrior, and of a lion and rider near by treated in a distinctively Western-Asiatic manner, while the guardian door-keepers of the lower storey are as characteristically Indian as their workmanship is immature. It is significant, too, that various points of resemblance are to be traced between the sculptures of the upper floor and the Jain reliefs of Mathurā, where, as we have already seen, the artistic traditions of the North-West were at this time obtaining a strong foothold. The pity is that the example of these outside schools made only a superficial and impermanent impression in Orissa—a fact which becomes clear if we consider some of the other caves on this site. In the Ganesh Gumphā, for example, which is a small excavation containing only two cells, the reliefs of the frieze are closely analogous in style and subject, but, at the same time, slightly

inferior to those in the upper verandah of the Rānī Gumphā. Then, in the Jayavijaya, we see the style rapidly losing its animation, and in the Alakāpurī cave, which is still later, the execution has become still more coarse and the figures as devoid of expression as anything which has survived from the Early School (Pl. XXVIII, 80). The truth appears to be that the art of Orissa, unlike the art of Central or Western India possessed little independent vitality, and flourished only so long as it was stimulated by other schools, but became retrograde the moment that that inspiration was withdrawn.

It remains to consider the paintings and minor antiquities of the Early Indian school. Of the former our knowledge is the scantiest; for though many of the buildings described above, both rock-cut and structural, must have been adorned with frescoes, only one specimen of such frescoes is known to exist, and this one, unhappily, is too fragmentary and obscured to afford a criterion of what the painters of that age were capable. The fresco referred to is in the Jogīmārā cave of the Rāmgarh hill within the confines of the small and remotely situated State of Surgujā. At first sight, it appears a mere medley of crudely painted figures, destitute alike of coherent composition and intelligible meaning; but a closer examination reveals here and there a few drawings, from which the colour has vanished, but the line work of which is tolerably dexterous and bold, and it reveals others also quite vigorously outlined, but spoilt by the colours roughly daubed upon them. Evidently, the fresco has been repainted and added to by some untutored hand at a time when most of its colouring had faded, and these few linear drawings are all that is left of the original work. It is to the later period that belong not only the existing pigments—red and crimson and black—with which the older figures have been restored, but the bands of monochrome yellow and red which divide and subdivide the panels, as well as the numerous ill-drawn and primitive-looking figures applied indiscriminately on the fresco, wherever the older paintings had been obliterated. Of the earlier work, all that can now be made out is that it was disposed in a series of concentric panels separated from one another by narrow bands; that the bands were adorned with rows of fishes, *makaras*, and other aquatic monsters; and that in the panels were various subjects depicted in a very haphazard fashion, among which are the familiar *chaitya* halls with pinnacled roofs, two-horse chariots, and groups of figures seated and standing, manifestly analogous to those found in the early reliefs, but too much effaced to admit of a

detailed comparison. That the fresco appertains to the Early School is sufficiently apparent from these features, but its more exact date must remain conjectural. The late Dr Bloch, who visited the cave in 1904, failed to perceive the repainting which the fresco had undergone and assigned the whole as it stood to the third century B.C. This was on the assumption that it was contemporary with a short inscription in the early Brāhmī character engraved on the wall of the cave. It is very doubtful, however, if the record in question is so ancient, and equally doubtful if the fresco has any connexion with it. More probably the latter was executed in the first century before our era.

With the terracottas of this period we are on firmer ground, for examples of them are numerous, and in many cases their age can be determined not only by the internal evidence of their style, but by the associations in which they have been found. These terracottas consist of figurines of men and animals or toy carts in the round, or of small plaques stamped with figures or miniature scenes. The Indian specimens of the Maurya period were, as we have already seen, very crude and primitive, corresponding in this respect with the indigenous stone sculpture of that age. In the second and first centuries B.C., however, terracotta work steadily improved, and towards the beginning of the Christian era we find it hardly less carefully modelled or less richly decorated than contemporary reliefs in stone. By this time, the use of dies for stamping the clay had come into general vogue, and, as a consequence, even the cheaper toys of children were enriched by pretty floral designs in relief. The same thing happened, also, in the case of metal ornaments, which exhibit precisely the same kind of designs as the terracottas. A good illustration of the minute delicacy with which some of these dies were engraved is afforded by a terracotta medallion from Bhītā (Pl. XXIX, 81), which might almost be a copy in miniature of the relief work on the Sānchī gateways, so exactly does it resemble it in style. One of the sculptures at Sānchī, it may be remembered, was the work of the ivory carvers of Vidiçā, and it was of ivory probably that the die for this medallion was made. Of about the same age, but of much coarser execution is the copper *loṭā* from Gundlā in Kulū reproduced in Pl. XXIX, 82. Here, again, the scene engraved round the body of the vase is the familiar one of a prince seated in a four-horse chariot with a band of musicians in front, a cortège of horsemen and an elephant rider behind. The figure in the chariot has been identified with Gautama Buddha, as

Prince Siddhārtha, but it seems, *prima facie*, unlikely that this should be the one and only exception to the rule which obtained among the early Indian artists, of never representing the figure of Gautama Buddha.

In following step by step the history of Indian indigenous art during this early period we have seen that much extraneous influence was exerted upon it, and that this influence was a prominent factor in its evolution. Yet, if we examine this art in its most mature form, as illustrated for example in the gateways of Sānchī, we can detect in it nothing really mimetic, nothing which degrades it to the rank of a servile school. Many of its motifs and ideas it took from Persia, but there is no trace in it of the icy composure, the monotonous reiteration, or the dignified spaciousness which characterise Irānian art. It owed a debt to the older civilisations of Assyria, but it knows nothing of the stately and pompous grandeur or the grotesque exaggerations in which the Assyrian fancy delighted. Most of all, it was indebted to the Hellenistic culture of Western Asia, but the service which it exacted from the genius of Hellas served to develop its own virile character, not to enfeeble or obscure it. The artists of early India were quick, with the versatility of all great artists, to profit by the lessons which others had to teach them; but there is no more reason in calling their creations Persian or Greek than there would be in designating the modern fabric of St Paul's Italian. The art which they practised was essentially a national art, having its root in the heart and in the faith of the people, and giving eloquent expression to their spiritual beliefs and to their deep and intuitive sympathy with nature. Free alike from artificiality and idealism, its purpose was to glorify religion, not by seeking to embody spiritual ideas in terms of form, as the medieval art of India did, but by telling the story of Buddhism or Jainism in the simplest and most expressive language which the chisel of the sculptor could command, and it was just because of its sympathy and transparent sincerity that it voiced so truthfully the soul of the people, and still continues to make an instant and deep appeal to our feelings.

To complete our survey of the arts of early India, we must retrace our steps, finally, to the North-West and pick up once more the threads of Hellenistic and Western Asiatic culture which became established there in the second century B.C., and subsequently led to the development of an influential school of Buddhist art. The all-important part played by Bactria and

Persia in connexion with the monuments of Açoka has alread occupied our attention. Forty years after the death of th Emperor the Bactrian armies of Demetrius overran the north the Punjab and paved the way for the foundation of an indepe dent Greek rule, which remained paramount in the North-We for nearly a hundred years and lingered on still longer in th hills of Afghānistān. The antiquities which these Eurasia Greeks and their immediate successors, the Scytho-Parthian have bequeathed to us, are not numerous, but one and a consistently bear witness to the strong hold which Hellenist art must have taken upon this part of India. Most instructiv perhaps, among them are the coins, the stylistic history of whi is singularly lucid and coherent (Pl. XXX, 83, *a–l*). In th earliest examples every feature is Hellenistic. Their standard the Attic standard ; their legends are in Greek ; their types a taken from Greek mythology, and designed with a grace an beauty reminiscent of the schools of Praxiteles or Lysippus ; an their portraiture is characterised by a refined realism, which, whi it is unmistakably Greek, demonstrates a remarkable originality the part of the engravers. With the consolidation, however, of th Greek supremacy south of the Hindu Kush, the Attic standa quickly gave place to one—possibly based on Persian coinage more suited to the needs of local commerce ; bilingual legen were substituted for the Greek, and little by little the oth Hellenistic qualities gradually faded, Indian elements being intr duced among the types and the portraits losing their freshne and animation. And so the process of degeneration continue relatively slowly among the Eurasian Greeks, more rapidly wh added barbarian elements came to be introduced from Parthi The testimony of these coins is specially valuable in this respec it proves that the engravers who produced them were no me slavish copyists of Western models, but were giving free an spontaneous expression to their own ideas ; and it proves furth that, though the art which they exhibit underwent an inevitab transformation in its new environment and as a result of politic changes, its influence, nevertheless, was long and well-sustained Indian soil.

Nor does this numismatic evidence stand alone. It is endors also by the other antiquities of this age which have come down us, though in their case with this notable difference—a differen for which political considerations readily account—that, where the coins of the Indo-Parthians evince a close dependence

Parthian prototypes, warranting the presumption that the kings who issued them were of Parthian stock, the contemporary architecture and other antiquities show relatively little evidence of the semi-barbarous influence from that region. Of the buildings of the Eurasian Greeks themselves no remains have yet been brought to light save the unembellished walls of some dwelling houses, but the monuments erected at Taxila and in the neighbourhood during the Scytho-Parthian supremacy leave no room for doubt that architecture of the classical style had long been fashionable in that quarter of India; for, though by that time the decorative features were beginning to be Indianised, the Hellenistic elements in them were still in complete preponderance over the Oriental. Thus, the ornamentation of the *stūpas* of this period was primarily based on the 'Corinthian' order, modified by the addition of Indian motifs; while the only temples that have yet been unearthed are characterised by the presence of Ionic columns and classical mouldings. In the example of the former class of structures shown in Pl. XXXI, 85, the Indian elements in the design are more than usually conspicuous, but even in this *stūpa*, which is referable to the reign of Azes, they are restricted to the small brackets over the Corinthian capitals, and to the subsidiary *toraṇas* and arched niches which relieve the interspaces between the pilasters.

As with the architectural, so with the minor arts; they, one and all, derived their inspiration from the Hellenistic School, and in the very slowness of their decline bear testimony to the remarkable persistency of its teachings. Of earlier and purer workmanship a charming illustration is afforded by some fragmentary ceramic wares from the neighbourhood of Peshâwar, the designs on which are singularly human, and singularly Greek, in sentiment. On one of them are depicted little Amorini at play; on another, a child reaching for a bunch of grapes in the hands of its mother; on a third, a scene from the *Antigone*, where Haemon is supplicating his father Creon for the life of his affianced bride. Equally Hellenistic in character, and equally devoid of any Indian feeling, is an ivory pendant adorned with two bearded heads from Taxila, and the vine-wreathed head of Dionysus in silver repoussé (Pl. XXXI, 84) from the same site. Then, a little later—about the beginning, that is to say, of the Christian era—we find Indian forms appearing among the Hellenistic, just as they did in the case of architecture. Witness, for instance, the relic casket of gold encrusted with balas rubies, which was found in a tope at Bīmarān (Pl. XXXII, 87).

Here, the figures of the Buddha and his devotees—the chief and central features of the design—are in inspiration demonstrably Hellenistic; but the arches beneath which they stand are no less demonstrably Indian in form; while the sacred Indian lotus, full-blown, is incised beneath the base of the casket. Doubtless, it was in the sphere of religious and more particularly of Buddhist art, with its essentially Indian associations, that Indian ideas first began to trespass on the domain of Hellenism in the north-west, and this partly explains why the monuments which betray the first encroachments of indigenous art, belong without exception to that faith, and why other objects of a non-religious character, such as engraved gems or the graceful bronze statuette of a child from Taxila (Pl. XXXII, 86), preserve their classical style intact until a much later date. But it must be borne in mind, also, that it was in architectural forms that the earliest symptoms of Indian influence appeared, and that at the time of which we are speaking India was already in possession of a national architecture of her own and likely, therefore, to exercise more influence in that particular sphere than in the glyptic or plastic arts, in which she had then made less independent progress. The engraved gems referred to are found in large numbers throughout the whole north-western area and are proved by the presence of legends in early Brāhmī or Kharoshṭhī, as well as in Greek characters, to be the work of resident artists. Some typical specimens are illustrated in Pl. XXXIII, 88, *a–k*. The first is a cornelian intaglio from Akra in the Bannu district, of pure Hellenistic workmanship, designed and executed with a fine sense of composition and relief. Judging by the persistency with which it was repeated, the motif of the fighting warriors on this gem must have been almost as favourite a one in India as it was in Greece. Next to it and of about the same date is a remarkably spirited elephant cut on a pale sard. Then comes a jacinth (*c*), the jugate heads on which recall to mind the busts of Heliocles and Laodice on coins of Eucratides, though it is slightly later than they. The lion, also, on pale sard (*d*) is a fine example of delicate technique; but in fig. *e*—a singularly beautiful sardoine—the style shows incipient signs of falling off, and in the three following specimens, a black garnet and two sards, we watch its slow and sure deterioration until the beginning of the Christian era. The next two gems of the series (*i* and *j*) are still more decadent. The treatment of the drapery and other details of the seated Athena in the former remind us irresistibly of coins struck about the time of Hermaeus, and we cannot be far wrong in assigning this gem to

about 50 A.D., and the one which follows it to the close of the same century. The latter is a cornelian from the Hazāra District, engraved with a figure of Aphrodite and bearing a legend in corrupt Greek characters. Finally, in fig. *k*, we have a representative of a large group of gems executed in a meretricious and distinctive style, which appears to have been fashionable in India in the first and second centuries A.D. and which, taken in conjunction with other facts, suggests that a strong wave of influence—due, perhaps, to Roman expansion—set in about that time from Asia Minor.

It was during the Scytho-Parthian supremacy that the local school of Buddhist art, known as the Gandhāra School, must first have sprung into being. The story of this school belongs to a subsequent chapter; for it was under the rule of the Kushāṇa kings that it produced the majority of the sculptures which have made it famous. But that it had taken shape long before the Kushāṇas came upon the scene, is evident from the fact that the types of the Buddha peculiarly associated with it, and the evolution of which presupposes a long period for its achievement, were already fixed and standardised in the reign of Kaniskha, and that the influence of the school had penetrated by that time as far as the banks of the Jumna. Unhappily, among the many thousands of sculptures by which it is represented, there is not one which bears a date in any known era, nor do considerations of style enable us to determine their chronological sequence with any approach to accuracy. Nevertheless, it may be taken as a general maxim that the earlier they are, the more nearly they approximate in style to Hellenistic work, and, accepting the relic casket from the *stūpa* of Shāh-ji-ki-dherī as a criterion of age, it may safely be asserted that a number of them, distinguished by their less stereotyped or less rococo character, are anterior to the reign of Kanishka. One of the earliest of these, if we accept the judgment of Mons. Foucher, is the Buddha image reproduced in Pl. XXXIV, 89, which is certainly conspicuous among its fellows for its graceful and restrained simplicity. Yet, even of this image the type is demonstrably a well matured one, and, if we would seek for the beginnings of the school, we must look still further back and learn from the Bīmarān casket and other antiquities of that time the process by which Hellenistic art came into the service of Buddhism.

The question of the rôle played by classical art in India has been a much disputed one in the past, some authorities maintaining

that it was almost a negligible factor, others that it underlay the whole fabric of Indian art. The truth, as so often happens, lies between the two extremes. In Hindustān and in Central India it took, as we have seen, an important part in promoting the development of the Early National School both by clearing its path of technical difficulties and strengthening its growth with new and invigorating ideas. In the north-west region and immediately beyond its frontiers, on the other hand, it long maintained a complete supremacy, obscuring the indigenous traditions and itself producing works of no mean merit, which add appreciably to our understanding of the Hellenistic genius; here, too, as Indian influence waxed stronger, it eventually culminated in the School of Gandhāra, which left an indelible mark on Buddhist art throughout the Orient. Nevertheless, in spite of its wide diffusion, Hellenistic art never took a real and lasting hold upon India, for the reason that the temperaments of the two peoples were radically dissimilar. To the Greek, man, man's beauty, man's intellect were everything, and it was the apotheosis of this beauty and this intellect which still remained the key-note of Hellenistic art even in the Orient. But these ideals awakened no response in the Indian mind. The vision of the Indian was bounded by the immortal rather than the mortal, by the infinite rather than finite. Where Greek thought was ethical, his was spiritual; where Greek was rational, his was emotional. And to these higher aspirations, these more spiritual instincts, he sought, at a later date, to give articulate expression by translating them into terms of form and colour. But that was not until the more spacious times of the Guptas, when a closer contact had been established between thought and art, and new impulses imparted to each. At the age of which we are speaking, the Indian had not yet conceived the bold and, as some think, chimerical idea of thus incarnating spirit in matter. Art to him was a thing apart—a sensuous, concrete expression of the beautiful, which appealed intimately to his subconscious aesthetic sense, but in which neither intellectuality nor mysticism had any share. For the rest, he found in the formative arts a valuable medium in which to narrate, in simple and universal language, the legends and history of his faith; and this was mainly why, for the sake of its lucidity and dramatic power, he welcomed with avidity and absorbed the lessons of Hellenistic art, not because he sympathised with its ideals or saw in it the means of giving utterance to his own.

LIST OF ABBREVIATIONS

A. Aṅguttara Nikāya.
Abh. Abhandlungen.
Āçv. Āçvalāyana.
Air. Wb. Altiranisches Wörterbuch.
Alt. Leb. Altindisches Leben.
Āp. or Āpast. Āpastamba.
A.S.R. Reports of the Archaeological Survey of India. (Cunningham.)
Arch. Sur. Ind. Archaeological Survey of India. (Annual Reports.)
Arch. Sur. West. Ind. Archaeological Survey of Western India.
Av. Avesta.
Bab. Babylonian version.
Baudh. Baudhāyana.
Bh. Bahistān inscription.
B.M. Cat. British Museum Catalogue of Coins.
Bṛih. Bṛihaspati.
Bṛihannār. Bṛihannārāyana.
Buddh. Ind. Buddhist India.
Çata. Br. Çatapatha Brāhmaṇa.
Cull. V. Cullavagga.
D. Dīgha Nikāya.
Dar. Pers. Inscription of Darius at Persepolis.
Dar. Sus. Inscription of Darius at Susa.
Dh. Ç. Dharma Çāstra.
Dh. S. Dharma Sūtra.
Dhp. Dhammapada.
Dhp. A. or Dhp. Comm. Commentary on the Dhammapada.
Die ar. Per. Die arische Periode.
Dīp. Dīpavaṃsa.
Divy. Divyāvadāna.
El. Elamite version.
Ep. Ind. Epigraphia Indica.
E.R.E. Encyclopaedia of Religion and Ethics.
F.H.G. Fragmenta Historicorum Graecorum.
Gaut. Gautama.
G.G.N. Nachrichten v. d. k. Gesells. d. Wissenschaften zu Göttingen.
G.S. Gṛihya Sūtra.
Grund. d. indo-ar. Phil. Grundriss der indo-arischen Philologie und Altertumskunde.
Grund. d. ir. Phil. Grundriss der iranischen Philologie.
Hir. Hiraṇyakeçin.
Hist. Num. Historia Numorum.
Imp. Gaz. Imperial Gazetteer of India.
Ind. Alt. Indische Alterthumskunde.
Ind. Ant. Indian Antiquary.
Ind. Stud. Indische Studien.
J.A. or Jour. As. Journal Asiatique.
J.A.O.S. Journal of the American Oriental Society.
J.A.S.B. Journal of the Asiatic Society of Bengal.
J. Bomb. Br. R.A.S. Journal of the Bombay Branch of the Royal Asiatic Society.
Jāt. Jātaka.
J H.S. Journal of Hellenic Studies.
J.P.T.S. Journal of the Pali Text Society.
J.R.A.S. Journal of the Royal Asiatic Society.
Kali Age. The Purāṇa Text of the Dynasties of the Kali Age.
Le Z.A. Le Zend Avesta.
M. Majjhima Nikāya.
Mārk. Pur. Mārkandeya Purāṇa.
Mbh. Mahābhārata.
Mhv. Mahāvaṃsa.
Mil. Milindapañha.
Msr. Mahāsammata-rājāvaliya.
M.V. or Mah. Mahāvagga.
N.C. or Num. Chron. Numismatic Chronicle.
N.H. Naturalis Historia.
NR. Inscription at Naksh-i-Rustam.
Num. Zeit. Numismatische Zeitschrift.
obv. obverse.
O.P. Old Persian.
Pāc. Pācittiya.
Pār. Pāraskara.
Peta-v. A. Commentary on the Peta-vatthu.
Proc. Proceedings: A.S.B. Asiatic Society of Bengal; R.I.A. Royal Irish Academy.
Pss. Psalms.
P.T.S. Pali Text Society.
Pur. Purāṇa.
R. Rājāvaliya.

Rām. Rāmāyaṇa.
rev. reverse.
Rev. Num. Revue Numismatique.
Rh. D. Rhys Davids.
Rv. Rigveda.
Rvp. Rājavikrama-pravrittiya.
S. Saṃyutta Nikāya.
S.B.E. Sacred Books of the East.
Sitz. K.P.A. Sitzungsberichte d. k. preuss. Akad. d. Wissens.
Sitz. Wien. Sitzungsberichte d. k. Akad. d. Wissens zu Wien.
Smp. Samanta-pāsādikā.
S.N. Sutta Nipāta.
Sum. or Sum. Vil. Sumangala-vilāsinī.
Thag. or Therag. Theragāthā.
Thag. A. Commentary on the Theragāthā.
Thig. or Therig. Therīgāthā.
Thig. A. Commentary on the Therīgāthā.
Trans. Transactions: Inter. Or. Cong. International Congress of Orientalists; R.I.A. Royal Irish Academy.
Ud. Udāna.
Vas. Vasishṭha.
Vd. Vendīdād.
Vin. Vinaya.
V.O.J. (= W.Z.K.M.) Vienna Oriental Journal.
Vr. Vijaya-rājāvaliya.
Vrv. Vijayarāja-vaṃsaya.
W.Z.K.M. (= V.O.J.) Wiener Zeitschrift fur die Kunde des Morgenlandes.
Yt. Yasht.
Ys. Yasna.
Z.D.M.G. Zeitschrift der Deutschen Morgenländischen Gesellschaft.
Z.f.N. Zeitschrift fur Numismatik.

GENERAL BIBLIOGRAPHY

1. Bibliography.

Orientalische Bibliographie (begründet von August Müller) hsg. von Lucian Scherman. Berlin, 1887 etc. In progress.

2. Encyclopaedias.

Grundriss der indo-arischen Philologie und Altertumskunde (begründet von G. Bühler, fortgesetzt von F. Kielhorn) hsg. von H. Lüders und J. Wackernagel.
Strassburg, 1896 etc. Berlin, 1920. In progress.

Grundriss der iranischen Philologie, hsg. von W. Geiger und E. Kuhn. Strassburg 1896–1904.

Balfour, E. Cyclopaedia of India. 3rd edn. London, 1885.

3. Histories of Ancient India.

Lassen, Chr. Indische Alterthumskunde. 4 vols. (vols. I and II, 2nd edn.). Leipzig, 1858–1874.

Dutt, R. C. History of Civilization in Ancient India. London, 1893.

Hoernle, A. F. R. and Stark, H. A. A History of India. 2nd edn. Cuttack, 1904.

Smith, V. A. The early History of India. 3rd edn. Oxford, 1914.

—— The Oxford History of India. Oxford, 1919.

Krishnaswami Aiyangar, S. Ancient India. Madras, 1911.

Barnett, L. D. Antiquities of India. London, 1913.

Rapson, E. J. Ancient India. Cambridge, 1914.

4. Chronology.

Duff, C. M. (Mrs W. R. Rickmers). The Chronology of India. Westminster, 1899.

5. Histories of Literature.

Max Müller, F. A History of Ancient Sanskrit Literature. 2nd edn. London, 1860.

Weber, A. Akademische Vorlesungen über indische Literaturgeschichte. 2 Auf. Berlin, 1876.

—— Eng. trans. by J. Mann and Th. Zachariae: The History of Indian Literature. 2nd edn. London, 1882.

von Schroeder, L. Indiens Literatur und Kultur. Leipzig, 1887.

Frazer, R. W. Literary History of India. London, 1898.

Macdonell, A. A. Sanskrit Literature. London, 1900.

Henry, V. Les Littératures de l'Inde. Paris, 1904.

Pischel, R. Die indische Literatur. Die Kultur der Gegenwart, I, vii: Die orientalischen Literaturen. Berlin und Leipzig, 1906.

Winternitz, M. Geschichte der indischen Litteratur. 2 Aus. Leipzig, 1909 etc.

CHAPTER I

THE SUB-CONTINENT OF INDIA

1. GAZETTEER.

Imperial Gazetteer of India. 26 vols. Oxford, 1907-9. [Vols. I-IV, The Indian Empire; vol. XXVI, Atlas.]

2. ATLASES.

Bartholomew, Hand Atlas of India. Westminster, 1893.
Stanford, Statistical Atlas of India. London, 1895.
Climatological Atlas of India. The Indian Meteorological Department. Edinburgh, 1906.
Railway and Canal Map of India. 1910.

3. HANDBOOKS.

Murray's Handbook to India, Burma, and Ceylon. 10th edn. London, 1919.
Holdich, T. H. India. Regions of the World Series, ed. Mackinder. Oxford, 1905.

4. BLUE-BOOK.

Moral and Material Progress and Condition of India. [Annual blue-book containing maps of railways, irrigation etc., with reference to the development of the last ten years.]

5. TEXT-BOOKS.

Blanford, H. F. Practical guide to the Climates and Weather of India, Ceylon and Burmah. London, 1889.
Mackinder, H. J. Eight Lectures on India, prepared for the Visual Instruction Committee of the Colonial Office London, 1910. [The geographical portions of these lectures have been utilised in the preparation of this Chapter.]
Morrison, C. A New Geography of the Indian Empire. London, 1909.

6. DESCRIPTIVE.

Chirol, V. The Middle Eastern Question, or some Problems of Indian Defence. London, 1903.
Ferguson, J. Ceylon in 1893. London, 1893.
Forrest, G. W. The Cities of India, Past and Present. Westminster, 1903.
Gore, F. St J. Lights and Shades of Hill Life in the Afghan and Hindu Highlands of the Punjab. London, 1895.
Holdich, T. H. The Indian Borderland. London, 1901.
—— The Gates of India. London, 1910.
Hooker, J. D. Himalayan Journals. New edn. London, 1855.
Low, S. J. M. A Vision of India. 2nd edn. London, 1907.
Robertson, G. S. The Kafirs of the Hindu Kush. London, 1896.
Workman, W. H. and F. B. Through Town and Jungle. London, 1904.
Yate, C. E. Northern Afghanistan. Edinburgh, 1888.
—— Khurasan and Sistan. Edinburgh, 1900.

CHAPTER II

A. PEOPLES AND LANGUAGES

1. Census Reports.

The Census of India, 1901. Vol. I. Calcutta, 1903. [The chapter on Caste, Tribe, and Race by H. H. Risley is summarised in Imp. Gaz. I, and illustrated by map 12 of the Atlas, vol. XXVI.]

The Census of India, 1911. Vols. I and II.

2. Ethnography.

A classified list by W. Siegling of the more important works on Indian Ethnography is given in Baines, Ethnography, pp. 173–211 (*v. inf.*).

Anderson, J. D. Peoples of India. Cambridge, 1913.

Baines, A. Ethnography. Grund. d. indo-ar. Phil. Strassburg, 1912.

Bellew, H. W. The Races of Afghanistan. Calcutta, 1880.

Crooke, W. The Tribes and Castes of the North-Western Provinces and Oudh. Calcutta, 1896.

Douie, J. The Panjāb, North-West Frontier Province, and Kashmir. Cambridge, 1916.

Holderness, T. W. Peoples and Problems of India. London, 1912.

Kennedy, J. The Early Commerce of Babylon with India. J.R.A.S., 1898. [Maintains the western origin of the Dravidians; pp. 249, 261.]

O'Malley, L. S. S. Bengal, Bihar and Orissa, Sikkim. Cambridge, 1917.

Oppert, G. On the Original Inhabitants of Bharatavarsha or India. Westminster, 1893.

Ramaprasad Chanda. The Indo-Aryan Races. Rajshahi, 1916.

Rice, B. L. Mysore. Revised edn. Westminster, 1897.

—— Mysore and Coorg from the Inscriptions. London, 1909.

Richards, F. J. (1) Side Lights on the Dravidian Problem. (2) Some Dravidian Affinities and their Sequel. [Two articles contributed to the Mythic Society of Bangalore. In the second of these the author maintains the identity of the Dravidians with the Mediterranean Race.]

Risley, H. H. Tribes and Castes of Bengal. Calcutta, 1891–2.

—— The People of India. 2nd edn., W. Crooke. London, 1915.

Rivers, W. H. R. The Todas. London, 1906.

Thurston, E. and Rangachari, K. The Castes and Tribes of Southern India. Madras, 1909–10.

—— The Madras Presidency. Cambridge, 1913.

3. Geography.

Bunbury, E. H. A History of Ancient Geography. London, 1879.

Cunningham, A. The Ancient Geography of India: I. The Buddhist Period. London, 1871.

Dey, N. L. The Geographical Dictionary of Ancient and Mediaeval India. Calcutta, 1899. Revised edn. in Ind. Ant., 1919 etc.

Holdich, T. H. The Indian Borderland; The Gates of India. See Bibl. to Ch. I, 6.

—— Physical Aspects. Imp. Gaz. I.

—— Political Frontiers and Boundary Making. London, 1916.

Joppen, C. Historical Atlas of India. 3rd edn. London, 1914.

Oldham, R. D. Physical Geography and Geology. Oxford Survey of the British Empire, II (1914).
Pargiter, F. E. Mārkaṇḍeya Purāṇa. See Bibl. to Ch. XIII, 1.
—— The Geography of Rāma's exile. J.R.A.S., 1894.
Tozer, H. F. A History of Ancient Geography. Cambridge, 1897.

See also Bibl. to Ch. I.

For the effects of climatic changes see

Stein, M. A. Ancient Khotan. Oxford, 1907.
Tate, G. P. Seistan. Calcutta, 1910.

4. Migrations and Routes.

Elphinstone, M. Account of the Kingdom of Caubul. 2nd edn. London, 1839. [Contains a good map with routes.]
Foucher, A. Notes sur la Géographie ancienne du Gandhara. See Bibl. to Chapters XV and XVI, 2.
Haddon, A. C. The Wanderings of Peoples. Cambridge, 1911.
Helmolt, H. F. Weltgeschichte. Leipzig und Wien, 1899 etc. Eng. trans.: The World's History. London, 1901 etc. Vol. II: Central Asia by H. Schurtz, and India by E. Schmidt. Vol III: Ancient Nearer Asia by H. Winckler.
Kennedy, J. The Aryan Invasion of Northern India. J.R.A.S., 1919–20.
de Morgan, J. Les premières Civilisations 1909.
Le Strange, G. The Lands of the Eastern Caliphate. Cambridge, 1905.

5. The Caste System.

Bouglé, C. Essai sur le Régime des Castes. Paris, 1908.
Gait, E. A. Caste. E.R.E. III (1910).
Ketkar, S. V. The History of Caste in India. Ithaca, N.Y., 1909; London, 1911.
Lyall, A. C. Asiatic Studies. New edn. London, 1899.
Nesfield, J. C. Brief view of the Caste-system of the North-Western Provinces and Oudh. Allahabad, 1885.
Senart, E. Les Castes dans l'Inde. Paris, 1896.

See also Bibl. to Ch. V, 2.

6. Languages.

The Linguistic Survey of India. Ed. G. A. Grierson. 1898 etc.

The results of the investigations of the Linguistic Survey have been summarised from time to time by Sir George Grierson: The Languages of India, Calcutta, 1903; The Piśācha Languages, London, 1906; Languages. Imp. Gaz. I (1907); The Indo-Aryan Vernaculars, Bulletin of the School of Oriental Studies, London Institution, vol. I, parts II and III, London, 1918, 1920.

To the bibliography given in Imp. Gaz. I, pp. 395–401, the following may now be added:

Caldwell, R. A comparative Grammar of the Dravidian or South-Indian family of Languages. 3rd edn. revised and edited by J. L. Wyatt and T. Ramakrishna Pillai. London, 1913.
Schmidt, P. W. Die Mon-Khmer Völker. Archiv für Anthropologie. Brunswick, 1906. [Résumé in J.R.A.S., 1907, pp. 187 ff.; see also ibid. pp. 743 ff.]
Linguistic Survey. Vol. VIII, pt. II (1919): The Dardic or Piśācha Languages.

B. SOURCES OF HISTORY

1. Prehistoric Antiquities.

See Bibl. to Ch. xxvi, 1.
Summary by V. A. Smith in Imp. Gaz. ii (1908).

2. Ancient Languages.

Franke, R. O. Pāli und Sanskrit. Strassburg, 1902.
Wackernagel, J. Altindische Grammatik: Introduction to vol. i, pt. i. Göttingen, 1896.

For various views as to the relation of Sanskrit to the ancient spoken languages see J.R.A.S., 1904.

For histories of literature see Gen. Bibl., 5.

3. Foreign Authorities.

Greek and Latin writers: see Bibl. to Chapters xv and xvi, 1.
Chinese writers: see Bibl to Ch. xxiii, 1 (*b*).

4. Alphabets and Inscriptions.

Bühler, G. Indische Palaeographie. Grund. d. indo-ar. Phil. Strassburg, 1896.
—— Eng. version: Indian Palaeography. Ed. J. F. Fleet. Ind. Ant., 1904 (App.).
The prevalent belief that Kharoshṭhī inscriptions do not occur in India after the 3rd century A.D. must now be modified. Sir John Marshall in a letter dated 14 Oct. 1920 writes: 'Recent discoveries at Jaulian (Taxila) make it certain that Kharoshṭhī was in use there until at least the middle of the 5th century A.D.' (*v. sup.*, p. 62). For the Kharoshṭhī alphabet in Chinese Turkestān see Rapson in Trans. Inter. Or. Cong., Algiers, 1905 (i, pp. 210 ff.) and Boyer, Rapson, and Senart, Kharoṣṭhī Inscriptions, i. Oxford, 1920.
Fleet, J. F. Epigraphy. Imp. Gaz. ii.
Lüders, H. A list of Brāhmī Inscriptions from the earliest times to about A.D. 400. Ep. Ind. x (App.). Calcutta, 1910.

5. Coins.

See Bibl. to the following: Note to Ch. xiv (Ancient Persian); Note to Ch. xv (Ancient Athenian and Macedonian); Ch. xvii, 3 (Syrian, Bactrian, Graeco-Indian, Çaka and Pahlava, and Parthian); Ch. xxi, 3 (Native Indian States); also additional entries in Bibl. to Ch. xxii, 3 (Graeco-Indian) and Ch. xxiii, 3 (Çaka and Pahlava); Ch. xxiv, 4 (Southern India).

6. Progress of Indian Studies.

For the interpretation and chronological classification of the ancient literatures see Macdonell, Sanskrit Literature; Winternitz, Gesch. d. ind. Litt.; and other works quoted in Gen. Bibl., 5.

For the decipherment of the ancient alphabets see Wilson, Ariana Antiqua; Prinsep's Essays, ed. Thomas; Cunningham, Coins of Alexander's Successors article on Ancient India in Quarterly Review, July 1889 (vol. 169).

CHAPTER III

THE ĀRYANS

1. The Home of the Wiros and the Distribution of the Indo-European Languages.

Feist, S. Kultur, Ausbreitung, und Herkunft der Indogermanen. Berlin, 1913.
Giles, P. Articles in Encycl. Brit., 11th ed.—Aryan in vol. II; Indo-European Languages in vol. XIV.
Hirt, H. Die Indogermanen, ihre Verbreitung, ihre Urheimat, und ihre Kultur. Strassburg, 1905 u. 1907.
Hogarth, D. G. Ionia and the East. Oxford, 1909.
Kossinna, G. Die indogermanische Frage archäologisch beantwortet. Zeit. f. Ethnologie, XXXIV. Berlin, 1902.
Kretschmer, P. Einleitung in die Geschichte der griechischen Sprache. Göttingen, 1896.
Meyer, E. Geschichte des Altertums; see Bibl. to Ch. XIV, 2.
Much, M. Die Heimat der Indogermanen im Lichte der urgeschichtlichen Forschung. Jena, 1904.
Reinach, S. L'origine des Aryens. Paris, 1892.
Ripley, W. Z. The Races of Europe. London, 1900.
Schrader, O. Reallexikon der indogermanischen Altertumskunde. Strassburg, 1901.
—— Sprachvergleichung und Urgeschichte. 3 Auf. Jena, 1906–7.
—— Eng. trans. by Jevons, F. B.: Prehistoric Antiquities of the Aryan Peoples. London, 1890. (Translated from the 2nd edn.)
—— Die Indogermanen. Leipzig, 1911. [In many ways the best introduction to the subject.]
Taylor, I. The origin of the Aryans. London, 1889. [Written in an interesting manner, but now in many respects antiquated.]

2. Āryan Names (*a*) in the Boghaz-koï Inscriptions.

Winckler, H.; see Bibl. to Ch. XIV, 2.

For the literature dealing with these inscriptions see Ch. XIV, p. 320, n. 2.

(*b*) in the Tel-el-Amarna Letters.

Hall, H. R. H. The Ancient History of the Near East. 4th edn. London, 1920.
King, L. W. and Hall, H. R. H. Egypt and Western Asia in the light of recent discoveries. London, 1907.
Meyer, E. Die ältesten datierten Zeugnisse der iranischen Sprache und der zoroastrischen Religion. Kuhn's Zeitschrift, XLII (1909), pp. 1–27.
Winckler, H. Keilinschriftliche Bibliothek, V. Berlin, 1896.
—— Eng. trans.: The Tel-el-Amarna Letters. Berlin, 1896.

(*c*) in Ancient Babylonian and Assyrian Inscriptions.

Hommel, F. Proc. Soc. Bibl. Arch., 1899, p. 132.
—— Grund. der Geographie und Geschichte des alten Orients (Munich, 1904): Handbuch der klassischen Altertums-Wissenschaft, III, i.

CHAPTER IV

THE AGE OF THE RIGVEDA

1. Original Sources.

Rigveda, Saṃhitā and Pada text with Sāyaṇa's commentary. Ed. by F. Max Müller. 2nd edn. 1890–2. Saṃhitā text. Ed. by Th. Aufrecht. 2nd edn. Bonn, 1877.

Translations by H. Grassmann, Leipzig, 1876–7; R. T. H. Griffith, Benares, 1896–7; A. Ludwig, Prag, 1876–88; in part only, by Max Müller, Sacred Books of the East, vol. xxxii, Oxford, 1891; and H. Oldenberg, ibid. vol. xlvi, 1897.

Commentaries by Ludwig, *v. sup.*, and Oldenberg, Prolegomena, Berlin, 1888; Noten, i–v, Berlin, 1909; vi–x, Berlin, 1911.

Scheftelowitz, I. Die Apokryphen des Ṛigveda. Breslau, 1907.

2. Special Works.

Kaegi, A. The Rigveda. Trans. by R. Arrowsmith. Boston, 1886.

Macdonell, A. A. and Keith, A. B. Vedic Index. 1912.

Pischel, R. and Geldner, K. F. Vedische Studien. Stuttgart, 1889–1901.

Zimmer, H. Altindisches Leben. Berlin, 1879.

3. General.

Arnold, E. V. Vedic Metre. Cambridge, 1905.

Barth, A. The Religions of India. London, 1882.

Bergaigne, A. La Religion Védique. Paris, 1878–83.

Bloomfield, M. The Religion of the Veda. New York, 1908.

Deussen, P. Allgemeine Geschichte der Philosophie. Vol. i, pt. i, Philosophie des Veda. Leipzig, 1894.

Hardy, E. Die Vedische-brahmanische Periode der Religion des alten Indiens. Münster i. W., 1893.

Hillebrandt, A. Vedische Mythologie. Breslau, 1891–1902.

Hopkins, E. W. The Religions of India. Boston, 1895.

—— India Old and New. New York, 1901.

Macdonell, A. A. Vedic Mythology. Strassburg, 1897.

—— Sanskrit Literature. 1900.

—— Vedic Grammar. Strassburg, 1910.

Max Muller, F. History of Ancient Sanskrit Literature. 2nd edn. 1860.

Muir, J. Original Sanskrit Texts. Vol. v. 3rd edn. 1884.

Oldenberg, H. Ancient India. 2nd edn. Chicago, 1898.

—— Buddha, English translation by Hoey. London, 1882.

—— Die Literatur des alten Indien. Berlin, 1903.

—— Rigvedaforschung. Berlin, 1905.

—— Die Religion des Veda. Berlin, 1894.

Roth, R. Zur Litteratur und Geschichte des Weda. Stuttgart, 1846.

von Schroeder, L. Indiens Literatur und Cultur. Leipzig, 1887.

Sieg, E. Die Sagenstoffe des Rigveda und die indische Itihāsatradition. Stuttgart, 1902.

Wackernagel, J. Altindische Grammatik. Göttingen, 1896 etc.

Weber, A. The History of Indian Literature. 2nd edn. London, 1882.

Winternitz, M. Die Geschichte der indischen Litteratur. Vol. i. 2nd edn. Leipzig, 1909.

CHAPTER V

THE PERIOD OF THE LATER SAṂHITĀS, THE BRĀHMAṆAS, THE ĀRAṆYAKAS, AND THE UPANISHADS

1. Original Sources.

Atharvaveda, Saṃhitā text. Ed. by R. Roth and W. D. Whitney. Berlin, 1856; Saṃhitā and Pada text, with Sāyaṇa's commentary. Ed. by Shankar P. Pandit. Bombay, 1895–8.

Translations by R. T. H. Griffith, Benares, 1897; W. D. Whitney (with additions by C. R. Lanman), Cambridge, Mass., U.S.A., 1905; in part, M. Bloomfield, Sacred Books of the East, XLII, Oxford, 1897.

Sāmaveda. Ed. with translation, by Th. Benfey, Leipzig, 1848; by Satyavrata Sāmaçramī, Calcutta, 1873.

Translation by Griffith. Benares, 1893.

Yajurveda: 1. Taittirīya Saṃhitā. Ed. by A. Weber, Indische Studien, XI and XII, Berlin, 1871–2; with the commentary of Mādhava, Calcutta, 1854–99.

—— 2. Kāṭhaka Saṃhitā. Ed. by L. von Schroeder. Leipzig, 1900–11.

—— 3. Maitrāyaṇī Saṃhitā. Ed. by von Schroeder. Leipzig, 1881–6.

—— 4. Vājasaneyi Saṃhitā. With Mahīdhara's commentary. Ed. by Weber. London, 1852.

Translation by Griffith, Benares, 1899; by A. B. Keith, Cambridge, Mass., 1914.

Aitareya Brāhmaṇa. Ed. by Th. Aufrecht. Bonn, 1879.

Aitareya Āraṇyaka. Ed. with a translation by Keith. Oxford, 1909.

Kaushītaki Brāhmaṇa. Ed. by B. Lindner. Jena, 1887.

Çāṅkhāyana Āraṇyaka. Ed. by Keith, Oxford, 1909 (books VII–XV); Friedländer, Berlin, 1900 (I–II); E. B. Cowell, Calcutta, 1861 (III–VI = Kaushītaki Brāhmaṇa Upanishad).

Translation by Keith. London, 1908.

Pañcaviṃça Brāhmaṇa. Ed. by A. Vedāntavāgīça. Calcutta, 1869–74.

Jaiminīya or Talavakāra Brāhmaṇa; the Upanishad Brāhmaṇa. Ed. by H. Oertel with translation and notes. Journal of the American Oriental Society, XVI, 79–260.

Taittirīya Brāhmaṇa. Ed. by Rājendralāla Mitra, Calcutta, 1855–70; N. Godabole, Poona, 1898.

Taittirīya Āraṇyaka. Ed. H. N. Apte. Poona, 1898.

Çatapatha Brāhmaṇa. Ed. by A. Weber. London, 1855.

Translation by J. Eggeling, Sacred Books of the East, XII, XXVI, XLI, XLIII, XLIV. Oxford, 1882–1900.

Gopatha Brāhmaṇa. Ed. by Rājendralāla Mitra and H. Vidyābhūshaṇa. Calcutta, 1872.

Brihadāraṇyaka Upanishad. Ed. with translation, by O. Böhtlingk. Leipzig, 1889.

Chhāndogya Upanishad. Ed. with translation, by Böhtlingk. Leipzig, 1889.

Kāṭhaka Upanishad. Ed. by Apte. Poona, 1889.

Translation of the principal Upanishads by F. Max Müller, Sacred Books of the East, vols. I and XV; by P. Deussen, Sechzig Upanishads, Leipzig, 1897.

2. Modern Works.

In addition to the books given in the Bibliography to Chapter IV may be mentioned:

Bloomfield, M. The Atharvaveda. Strassburg, 1899.
Deussen, P. Die Philosophie der Upanishads. Leipzig, 1899.
Fick, R. Die sociale Gliederung im nordöstlichen Indien zu Buddha's Zeit. Kiel, 1897.
Foy, W. Die königliche Gewalt nach den Dharmasūtren. Leipzig, 1895.
Francke, R. O. Pāli und Sanskrit. Strassburg, 1902.
Hillebrandt, A. Ritual-Litteratur. Strassburg, 1897.
Hopkins, E. W. Transactions of the Connecticut Academy of Arts and Sciences, XV, 21 sq. (on the Pañcaviṃça Brāhmaṇa).
Jolly, J. Recht und Sitte. Strassburg, 1896.
—— Zeitschrift der deutschen morgenländischen Gesellschaft, L, 507 sq. (on the castes).
Muir, J. Original Sanskrit Texts, vol. I, 2nd edn. (on the castes).
Oldenberg, H. Zeitschrift der deutschen morgenländischen Gesellschaft, LI, 267–90 (on the castes).
Rhys Davids, T. W. Buddhist India. London, 1903.
Senart, E. Les Castes dans l'Inde. Paris, 1896.
Weber, A. Die vedischen Nachrichten von den Naxatra. Berlin, 1861. Indische Studien, especially vol. I (geographical etc. data from the Çatapatha Brāhmaṇa), III (data from the Kāṭhaka Saṃhitā), X (complete collection of data regarding the castes). Many papers in the Proceedings of the Berlin Academy, 1889–1901.
Whitney, W. D. Journal of the American Oriental Society, VI and VIII (on the Nakshatras).
The Indian Empire (Imp. Gaz.), vol. I, chap. VI (Ethnology and Caste); chap. VII (Languages). Oxford, 1907.

CHAPTER VI

THE HISTORY OF THE JAINS

1. Special Bibliography.

The complete bibliography of European and (so far as is known) of Indian literature concerning the Jains up to the year 1906 is given in Guérinot, Essai de Bibliographie Jaina, Paris, 1906 (Annales du Musée Guimet, Bibliothèque d'Études, vol. XXII); further notices given by Guérinot, J.A., 1909: 2, pp. 47 ff. All known inscriptions of Jain character or having reference to the Jains are registered together with references to the literature concerning them in Guérinot, Répertoire d'Épigraphie Jaina, Paris, 1908 (Publications de l'École française d'Extrême-Orient, vol. X).

2. History and Doctrines of Jainism.

A sketch, by no means exhaustive, of the whole domain of Jain history and literature is given in Barodia, History and Literature of Jainism, Bombay, 1909 (review by Guérinot, J.A., 1910. 1, pp. 378 ff.). A useful summary of the religion is given in Outlines of Jainism by Jagmanderlal Jaini, Cambridge, 1916.

The most important treatises dealing with the older history and the doctrines of Jainism are the following:

Jacobi, H. Kalpasūtra of Bhadrabāhu, pp. 1 ff. (Abhandlungen der deutschen morgenlandischen Gesellschaft, vol. VII. Leipzig, 1879).
—— Introductions to S.B.E. vols XXII and XLV.
—— Das Kālakācāryakathānakam, Z.D.M.G. vol. XXXIV, pp. 247 ff.
—— Über die Entstehung der Śvetāmbara- und Digambara-Sekten, ibid., XXXVIII, pp. 1 ff.; XL, pp. 92 ff.
—— On Mahāvīra and his predecessors, Ind. Ant. IX, pp. 158 ff.
Hoernle, A. F. R. Proceedings of the Asiat. Soc. of Bengal, 1898, pp. 39 ff.
Bühler, G. Über die indische Secte der Jainas. Wien, 1887. (Translated by J. Burgess, London, 1903.)
—— Articles on the Jain inscriptions from Mathurā in the V.O.J. I–V and X
Leumann, E. Die alten Berichte von den Schismen der Jaina, Ind. Stud. XVII, pp. 91 ff.
Bloomfield, M. The life and stories of the Jaina Savior Pārçvanātha. Baltimore, 1919. [Based on Bhāvadevasūri, Pārçvanātha Carita, ed. Shravak Pandit Hargovinddas and Shravak Pandit Bechardas, Benares, 1912.]

The canonical writings of the Jains are exhaustively described by Weber, Über die heiligen Schriften der Jaina, Ind. Stud. XVI, pp. 211 ff., XVII, pp. 1 ff. (translated by Dr H. W. Smyth, in Ind. Ant. vols. XVII–XXI), and in his Katalog der Sanskrit- und Prākrit-Handschriften der Kgl. Bibliothek zu Berlin, vol. II, ii, Berlin, 1888.

The history and doctrines of Gosāla are treated with references to the literature by Hoernle in Hastings, Encyclopaedia of Religion and Ethics, vol. I, pp. 258 ff.

CHAPTER VII

THE EARLY HISTORY OF THE BUDDHISTS

1. Original Sources—Texts and Translations.

Aṅguttara Nikāya. Ed. Richard Morris and Edmund Hardy. P.T.S. London, 1885–1900.

Apadāna. Not yet edited.

Attha-sālinī. Ed. Eduard Müller. P.T.S. London, 1897.

Dhammapada. Ed. Sūriyagoḍa Sumaṅgala Thera. P.T.S. London, 1914.

—— Trans. F. Max Müller. S.B.E. x. 2nd edn. Oxford, 1898.

—— Commentary. Ed. H. C. Norman. P.T.S. London, 1906–14.

Dīgha Nikāya. Ed. T. W. Rhys Davids and J. E. Carpenter. P.T.S. London, 1890–1911.

—— Commentary. See Sumaṅgala-vilāsinī.

Dīpavaṃsa. Ed. and trans. H. Oldenberg. London, 1879.

Divyāvadāna. Ed. E. B. Cowell and R. A. Neil. Cambridge, 1886.

Jātaka. Ed. V. Fausböll. London, 1877–97.

—— Trans. by various hands under the editorship of E. B. Cowell. Cambridge, 1895–1913.

Lalita-vistara. Ed. Rajendralal Mitra. Calcutta, 1877.

—— Ed. S. Lefmann. Halle, 1902–8.

—— German trans. (I–V) S. Lefmann. Berlin, 1874.

Mahāvaṃsa. Ed W. Geiger. P.T.S. London, 1908.

—— Trans. W. Geiger. P.T.S. London, 1912.

Mahāvastu. Ed. E. Senart. Paris, 1882–97.

Majjhima Nikāya. Ed. V. Trenckner and R. Chalmers. P.T.S. London, 1888–99.

Milindapañha. Ed. V. Trenckner. London, 1880.

—— Trans. T. W. Rhys Davids. S.B E. xxxv, xxxvi. Oxford, 1890–4.

Peta-vatthu. Ed. Minayef. P.T.S. London, 1888.

—— Commentary. Ed. E. Hardy. P.T.S. London, 1901.

Samanta-pāsādikā, commentary on the Vinaya. Part of the Introduction ed. H. Oldenberg in Vinaya III.

Saṃyutta Nikāya. Ed. Léon Feer and Mrs Rhys Davids. P.T.S. London, 1884–1904.

Sumaṅgala-vilāsinī, commentary on the Dīgha. Ed. Rhys Davids. P.T.S. London, 1886.

Sutta Nipāta. Ed. D. Andersen and H. Smith. P.T.S. London, 1913.

—— Trans. V. Fausböll. S.B.E. x. 2nd edn. Oxford, 1898.

Thera-gāthā. Ed. H. Oldenberg. P.T.S. London, 1883.

—— Trans.: Psalms of the Brethren, by Mrs Rhys Davids. P.T.S. London, 1913.

—— Commentary. Not yet edited.

Therī-gāthā. Ed. R. Pischel. P.T.S. London, 1883.

—— Trans.: Psalms of the Sisters, by Mrs Rhys Davids. P.T.S. London, 1909.

—— Commentary. Ed. E. Müller. P.T.S. London, 1893.

Udāna. Ed. P. Steinthal. P.T.S. London, 1885.

—— Trans. D. M. Strong. London, 1902.

Vimāna-vatthu. Ed. E. R. Goonaratne. P.T.S. London, 1886.

Vinaya. Ed. H. Oldenberg. London, 1879–83.

Vinaya Texts. Trans. Rhys Davids and H. Oldenberg. S.B.E. XIII, XVII, XX. Oxford, 1881–5.

2. Summaries.

The historical information afforded by these original authorities is collected and discussed by T. W. Rhys Davids, Buddhist India (London, 1903).

The summary (*supra*, pp. 192–7) of the known facts as to the age of the early Pāli literature is there stated with the utmost brevity. For longer accounts see Rh. D., Buddhist India, pp. 140–209; Dialogues of the Buddha, I, ix–xx, and II, 70–7; Winternitz, Gesch. d. ind. Lit. II, i, 17–139. Oldenberg's introduction to Vinaya Texts, S.B.E. XIII (1881) is still the best critical discussion of the growth of the Vinaya literature. A similar study of the growth of the Abhidhamma is much required. Steps towards such a study have been taken by Mrs Rhys Davids in Buddhist Psychology (London, 1914), chap. VII, pp. 134–55.

CHAPTER VIII

ECONOMIC CONDITIONS ACCORDING TO EARLY BUDDHIST LITERATURE

1. Original Sources.

See Bibl. to Ch. VII.

For the Sanskrit law-books see S.B.E. II (Gautama), XIV (Vasishṭha, Baudhāyana), XXV (Manu).

2. Economic and Social.

The following works deal with economic and social conditions in ancient India:

Fick, R. Die sociale Gliederung im nordöstlichen Indien zu Buddha's Zeit. Kiel, 1897.

Rhys Davids, Mrs C. A. F. Economic conditions in ancient India. Economic Jour., Sept. 1901.

—— Notes on early economic conditions in Northern India. J.R.A.S., Oct. 1901. [With fuller details on money and the consumption of wealth.]

Rhys Davids, Buddhist India; see Bibl. to Ch. VII, 2.

Subba Rao, N. S. Economic and political conditions in ancient India. Mysore, 1911. [An analysis of information contained in the Jātaka.]

CHAPTERS IX—XII

THE PERIOD OF THE SŪTRAS, EPICS, AND LAW-BOOKS; FAMILY LIFE AND SOCIAL CUSTOMS AS THEY APPEAR IN THE SŪTRAS; THE PRINCES AND PEOPLES OF THE EPIC POEMS; THE GROWTH OF LAW AND LEGAL INSTITUTIONS

1. TEXTS.

Āçvalāyana Gṛihya Sūtra. Ed. A. F. Stenzler. Leipzig, 1864.
Çāṅkhāyana Gṛihya Sūtra. Ed. Hermann Oldenberg in Ind. Stud. xv, pp. 13 f.
Pāraskara Gṛihya Sūtra. Ed. A. F. Stenzler. Leipzig, 1876.
Āpastambīya Gṛihya Sūtra. Ed. M. Winternitz. Vienna, 1887.
The Mantrapāṭha (of the Āpastambins). Ed. M. Winternitz. Oxford, 1897.
Gobhila Gṛihya Sūtra. Ed. F. Knauer. Dorpat, 1884.
Hiraṇyakeçi Gṛihya Sūtra. Ed. J. Kirste. Vienna, 1889.
Mānava Gṛihya Sūtra. Ed. F. Knauer. St Petersburg, 1897.
Khādira Gṛihya Sūtra. Ed. with trans. by Oldenberg in S.B.E. xxix.
Kauçika Sūtra. Ed. M. Bloomfield. New Haven, 1890.
Gautama Dharma Çāstra (Sūtra). Ed. Stenzler. London, 1876.
Āpastambīya Dharma Sūtra. Ed. G. Bühler. Bombay, 1868 and 1872 (two parts).
Baudhāyana Dharma Çāstra. Ed. E. Hultzsch. Leipzig, 1884.
Vāsishṭha Dharma Sūtra. Ed. A. Führer. Bombay, 1883.
Mānava Dharma Çāstra. Ed. N. N. Mandlik with commentaries, Bombay, 1886; J. Jolly, London, 1887. Earlier editions: Calcutta, 1813; London, 1825; Paris, 1830.
Vaishṇava Dharma Çāstra. Ed. Jolly. Calcutta, 1881.
Yājñavalkya Dharma Çāstra. Ed. Stenzler. Berlin, 1849. (Mitāksharā. Bombay, 1909).
Nārada Smṛiti. Ed. Jolly. Calcutta, 1885.
The Dharma Çāstra Saṅgraha. Ed. Jivananda Vidyasagara. Calcutta, 1876. [Contains the texts attributed to Atri, Vishṇu, Hārīta, Yājñavalkya, Ushaṇas, Aṅgiras, Yama, Āpastamba, Saṃvarta, Kātyāyana, Bṛihaspati, Parāçara, Vyāsa, Çaṅkha, Likhita, Daksha, Çātātapa, Vasishṭha, Gautama, and 'Vṛiddha Gautama.']

The text of the epics has come down in different recensions represented more or less accurately by different editions. The Mahābhārata as published in the Calcutta edition (1834–9) contains the Harivaṃça, and differs slightly from the Bombay edition (1888), which omits the Harivaṃça. The text of the poem according to South Indian tradition has been published in Bombay (1906–10): it differs materially from the northern recension. The Rāmāyaṇa (Bengal text, without the last book) was published by G. Gorresio (Paris, 1843–50). Another edition containing the complete text appeared in Bombay (1895), and a third text, but practically identical with that of Bombay though 'according to the southern readings,' was published in 1905.

2. Translations.

The chief Gṛihya Sūtras, those of Āçvalāyana, Çāṅkhāyana, Pāraskara, Khādira, Gobhila, Hiraṇyakeçin, and Āpastamba, have been translated by Oldenberg in S.B.E. xxix and xxx. In conjunction with the texts mentioned above have appeared German translations of Āçvalāyana by Stenzler (1865); of Çāṅkhāyana by Oldenberg (Ind. Stud. xv); of Gobhila by Knauer (1887); and of Pāraskara by Stenzler (1878).

The S.B.E., vols. ii and xiv, contain translations by Bühler of the Dharma Sūtras of Āpastamba, Gautama, Vasishṭha, and Baudhāyana. The Mānava Dharma Çāstra, originally translated by Sir William Jones, appeared in a revised translation by Bühler in S.B.E. xxv, and by A. C. Burnell and E. W. Hopkins (London, 1884). The Vishṇu Smṛiti is translated by Jolly in S.B.E. vii; the Nārada Smṛiti with the fragments of Bṛihaspati, ibid. xxxiii. The text of the 'shorter Nārada' is separately translated by Jolly (London, 1876). A German translation of the Yājñavalkya Dharma Çāstra appeared with the text (1849).

Translations of the epic poems: The Mahābhārata in the northern recension has been translated into English by various pandits under the nominal editorship of Pratapa Chandra Ray (Roy) in Calcutta (1883–96); also by M. N. Dutt (Calcutta, 1896); and an abridged translation by R. C. Dutt (London, 1899). The Rāmāyaṇa, text and Italian translation by Gaspare Gorresio (1843–67); abridged translation by R. T. H. Griffith (Benares, 1895).

3. General Surveys.

The most important works bearing on the period represented by the Sūtras, Çāstras, and Epics are as follows.

For a general survey of the subject: R. C. Dutt, History of civilization in Ancient India (revised edn. London, 1893); Mrs Manning, Ancient and mediaeval India (London, 1869); J. W. M'Crindle, Ancient India as described by Megasthenes and Arrian (Bombay, 1877); idem, by Ktesias (1882); idem, by Ptolemy (1885); Antiquities of India by L. D. Barnett (London, 1913); Ancient India by E. J. Rapson (Cambridge, 1914); Colebrooke's Essays (Life and Essays of H. T. Colebrooke, new edn. by E. B. Cowell, London, 1873) contain papers on Hindu Courts of Justice and Preface to the Digest, which are still valuable. West and Bühler's Digest of Hindu Law (Bombay, 1867–9) contains many extracts from later law-books. The best general review of Hindu law (Sūtras and Çāstras) is found in Julius Jolly's Recht und Sitte (1896). For the religious life of this epoch compare M. Monier-Williams, Religious Thought and Life in India (4th edn. London, 1891) and Indian Wisdom (1893). J. Muir's Original Sanskrit Texts (London, 1868–84) give copious extracts from the religious chapters of the epics.

4. Special Studies.

Special studies are those of W. Caland on burial practices, Die altindischen Toten- und Bestattungsgebraüche (Amsterdam, 1896); of the same writer on Altindische Zauberei (Amsterdam, 1908); on the marriage-customs, E. Haas in Ind. Stud. v, pp. 287 f. [containing part of the Kauçika Sūtra]; The Hindu law of marriage and Strīdhana (woman's property) by G. Banerjee (Tagore Lectures revised, Calcutta, 1896); see also the references given above in chap. x, p. 233, n. 1; on the ordeals, Die Gottesurtheile der Inder by E. Schlagintweit (Munich, 1866); Alter u. Herkunft des german. Gottesurtheils by A. Kaegi (1887).

5. The Epics.

For the epic compare in general A. Holtzmann, Das Mahābhārata (Kiel, 1892–5); J. Dahlmann, Das Mahābhārata als Epos u. Rechtsbuch (Berlin, 1895); H. Jacobi, Mahābhārata, Inhaltsangabe (Bonn, 1903); E. W. Hopkins, The Great Epic of India; and India Old and New (New York, 1901). Special studies: Bühler and Kirste, Contributions to the history of the Mahābhārata (Sitz. Wien, 1892) and Die indischen Inschriften u. das Alter der ind. Kunstpoesie (ibid. 1890). Apart from the Bhagavadgītā, which has its own literature, may be mentioned *inter alia* the collection of philosophical texts of the epic by Paul Deussen and Otto Strauss, Vier philosophische Texte des Mahābhāratam (Leipzig, 1906). A special study of the Social and Military Position of the Ruling Caste was published in the J.A.O.S., 1888, by the writer.

The best commentary on the Rāmāyaṇa is by H. Jacobi, Das Rāmāyaṇa (Bonn, 1893). For the synchronous character of part of the Vishṇu Purāṇa, Harivaṃça, and Bālakāṇḍa of the Rāmāyaṇa compare Lesný in Z.D.M.G. LXVII, pp. 497 f. On the original linguistic form of the epics see Winternitz, Gesch. d. ind. Lit. I, p. 436; Jacobi, Z.D.M.G. XLVIII, p. 407; and Rapson, J.R.A.S., 1904, pp. 435 f. Compare also Lüders on the Ṛishyaçriṅga story, G.G.N., 1897, pp. 87 f.

CHAPTER XIII

THE PURĀṆAS

1. TEXTS AND TRANSLATIONS.

For a full bibliography see Winternitz, Übersicht über die Purāṇa-Litteratur (Gesch. d. ind. Litt. I, pp. 450–483).

Bhāgavata Purāṇa. Ed. with French trans. by E. Burnouf, continued by Hauvette-Besnault and Roussel. Paris, 1840–98.

Mārkaṇḍeya Purāṇa. Trans. F. E. Pargiter. Calcutta, 1904. [The geographical notes are most valuable.]

Vishṇu Purāṇa. Trans. H. H. Wilson (vols. I–V = Works, ed. Fitzedward Hall, vols. VI–X. London, 1864–70). [A storehouse of information concerning the mythology and legendary history of the epics and Purāṇas.]

Pargiter, F. E. The Purāṇa Text of the Dynasties of the Kali Age. Oxford, 1913. [A most useful collection of the different texts with various readings and an English translation. Mr Pargiter's theories as to the literary history of the Purāṇas are not generally accepted.]

2. GENERAL.

Abbott, J. E. The Topographical List of the Bhagavata Purana. Ind. Ant., 1899.

Bhandarkar, D. R. Lectures on the Ancient History of India. Calcutta, 1919.

Bhandarkar, R. G. Early History of the Dekhan. 2nd edn. Bombay, 1895.

Deb, H. K. Udayana Vatsaraja. Calcutta, 1919.

Fleet, J. F. The Kali-yuga era. J.R.A.S., 1911.

Jackson, A. M. T. Epic and Puranic Notes. Jour. Bombay Br. R.A.S., Centenary Memorial Volume, 1905.

Kennedy, J. The Puranic Histories of the early Aryas. J.R.A.S., 1915.

Lacôte, F. Essai sur Guṇāḍhya et la Bṛhatkathā. Paris, 1908.

Pargiter, F. E. Ancient Indian Genealogies and Chronology. J.R.A.S., 1910.

—— Earliest Indian traditional 'History.' J.R.A.S., 1914.

—— The North Pañcāla Dynasty. J.R.A.S., 1918.

CHAPTER XIV

THE PERSIAN DOMINIONS IN NORTHERN INDIA DOWN TO THE TIME OF ALEXANDER'S INVASION

1. Original Sources, Texts, and Translations.

(a) Oriental.

For Vedic authorities see Bibl. to Chapters IV, 1 and V, 1.

Avesta. Ed. K. F. Geldner. Stuttgart, 1886–96.

—— Eng. trans. J. Darmesteter and L. H. Mills. Oxford, 1880–7. S.B.E. vols. IV, XXIII, XXXI. (Part I, the Vendîdâd, S.B.E. vol. IV, also in 2nd edn. Oxford, 1895.)

—— French trans. C. de Harlez. 2nd edn. Paris, 1881.

—— French trans. J. Darmesteter. Paris, 1892–3. Annales du Musée Guimet, vols. XXI, XXII, XXIV.

—— German trans. F. Wolff. Strassburg, 1910. [Contains all except the Gâthâs, for which consult Chr. Bartholomae, Die Gatha's des Awesta, Strassburg, 1905.]

Old Persian Inscriptions in general. Ed. and trans. F. H. Weissbach. Die Keilinschriften der Achämeniden. Leipzig, 1911.

Bahistân Inscriptions. Ed. and trans. L. W. King and R. C Thompson The Sculptures and Inscription of Darius the Great on the Rock of Behistûn in Persia. London, 1907.

—— A. Hoffmann-Kutschke. Die altpersischen Keilinschriften des Grosskönigs Dārajawausch des Ersten am Berge Bagistān. Stuttgart, 1908.

Pahlavi Literature. Citations, with references to texts and translations, by A. V. W. Jackson, Notes and Allusions to Ancient India in Pahlavī literature and in Firdausī's Shāh-nāmah. Festschrift Ernst Windisch, pp. 209–12. Leipzig, 1914.

Firdausī. Shāh-nāmah. Ed. J. A. Vullers (and S. Landauer). Leyden, 1877–84.

—— Eng. trans. A. G. and E. Warner. London, 1905–15.

(b) Greek and Latin.

Arrian. Anabasis. Ed. A. G. Roos. Leipzig, 1907.

—— Indica. Arriani Scripta Minora, pp. 1–55, ed. R. Hercher. 2nd edn. Leipzig, 1885.

—— Eng. trans. of both Anabasis and Indica, by E. J. Chinnock. London, 1893.

—— See also Megasthenes, *infra*.

Ctesias. Fragments of the Persica and of the Indica. Ed. C. Müller in Dindorf's Herodotus. Paris, 1844.

—— Fragments of the Persica. Ed. J. Gilmore. London, 1888.

—— Eng. trans. of the Indica by J. W. M'Crindle, Ancient India as described by Ktêsias the Knidian Calcutta, Bombay, and London, 1882.

Hecataeus. Fragments. F.H.G. I, 1–31, ed. C. Müller. Paris, 1841.

Herodotus. History. Ed. C. Hude. 2nd edn. Oxford, 1913–14.

—— Eng. trans. G. Rawlinson. London, 1858–60.

—— Eng. trans. G. C. Macaulay. London and New York, 1904.

Isidore of Charax. Mansiones Parthicae. Geographi Graeci Minores, I, 244–56, ed. C. Müller. Paris, 1855.
—— Ed. and trans. W. H. Schoff. Parthian Stations of Isidore of Charax. Philadelphia, 1914.
Justinus. Historiae Philippicae. Ed. F. Ruehl. Leipzig, 1886.
Megasthenes. Fragments of the Indica. Ed. E. A. Schwanbeck. Bonn, 1846.
—— Eng. trans. J. W. M'Crindle, Ancient India as described by Megasthenês and Arrian. Calcutta, Bombay, and London, 1877.
Pliny. Naturalis Historia. Ed. C. Mayhoff. Leipzig, 1892–1909.
Strabo. Geographica. Ed. A. Meineke. Leipzig, 1866–7.
—— Eng. trans. H. C. Hamilton and W. Falconer. London, 1854–7.
Xenophon. Cyropaedia. Ed. and trans. W. Miller. London and New York, 1914.

2. Modern Works.

(*The signs < > indicate that a work was not published at the time when the main body of the chapter was written.*)

Bartholomae, Chr. Altiranisches Wörterbuch. Strassburg, 1905. [Indispensable for the interpretation of the ancient Irānian texts.]
Brunnhofer, H. Urgeschichte der Arier in Vorder- und Centralasien. Historisch-geographische Untersuchungen uber den ältesten Schauplatz des Rigveda und Avesta. Bd. I. Iran und Turan. Bd. II. Vom Pontus bis zum Indus. Bd. III. Vom Aral bis zur Gangâ. Leipzig, 1893. (Also separately issued.) [Maintains somewhat exaggerated views.]
—— Arische Urzeit. Forschungen auf dem Gebiete des ältesten Vorder- und Zentralasiens nebst Osteuropa. Bern, 1910. [See note on the preceding.]
Dames, M. L. Article 'Afghānistān,' in Encyclopaedia of Islām, I, 146–73. Leyden and London, 1913.
—— Article 'Balōčistān,' ibid. I, 625–40.
Geiger, W. Geographie von Iran. Grund. d. ir. Phil. II, 371–94. Strassburg, 1896–1904.
Goldsmid, Sir F. J. Eastern Persia: Journeys of the Persian Boundary Commission, 1870–71–72. London, 1876. [See especially vol. I, The Geography, etc.]
Hillebrandt, A. Vedische Mythologie. Breslau, 1891–1902.
Hopkins, E. W. Pragāthikāni, I. J.A.O.S. XVII, 23–92. New Haven, 1896.
How, W. W., and Wells, J. A Commentary on Herodotus. Oxford, 1912.
Jackson, A. V. W. Notes and Allusions to Ancient India in Pahlavī literature and in Firdausī's Shāh-nāmah. Festschrift Ernst Windisch, pp. 209–12. Leipzig, 1914.
Justi, F. Geschichte Irans von den ältesten Zeiten bis zum Ausgang der Sāsāniden. Grund. d. ir. Phil. II, 395–550. Strassburg, 1896–1904.
Katz, E. Cyrus des Perserkönigs Abstammung, Kriege, und Tod. Klagenfurt, 1895.
Kennedy, J. The Early Commerce of Babylon with India, 700–300 B.C. J.R.A.S., 1898, pp. 241–88.
—— <The Gospels of the Infancy, etc. Ibid., 1917, pp. 209–43, 469–540 (esp. pp. 219–25).>
—— <The Aryan Invasion of Northern India. Ibid., 1919, pp. 493–529 (esp. pp. 495–501, 518–19).>
Kiessling, M. Zur Geschichte der ersten Regierungsjahre des Darius Hystaspis. (Dissertation.) Leipzig, 1900.

Kiessling, M. Article 'Gandaritis,' in Pauly-Wissowa-Kroll, Real-Encyclopädie der classischen Altertumswissenschaft, VII, 695-701. Stuttgart, 1910.

Lassen, Chr. Indische Alterthumskunde. Leipzig, 1858-74. (Vols. I and II are 2nd edn.)

M'Crindle, J. W. Ancient India as described in Classical Literature. Westminster, 1901.

—— The Invasion of India by Alexander the Great, as described by Arrian, Q. Curtius, Diodoros, Plutarch and Justin. New edn. Westminster, 1896.

—— See also Ctesias and Megasthenes, in part 1, *supra*.

Macdonell, A. A. History of Sanskrit Literature. London and New York, 1900. (The London, 1913, impression is merely a reprint.)

—— and Keith, A. B. Vedic Index of Names and Subjects. London, 1912.

Marquart, J. Ērānšahr nach der Geographie des Ps. Moses Xorenac'i. Berlin, 1901. Abhandlungen der kgl. Gesellschaft der Wissenschaften zu Göttingen, Phil.-Hist. Classe, Neue Folge, vol. III, no. 2.

—— Untersuchungen zur Geschichte von Eran. Heft 1. Göttingen, 1897 (= Philologus, LIV, 489-527; LV, 213-44). Heft 2. Leipzig, 1905 (= Philologus, Supplementband X, 1-258).

Meyer, E. Geschichte des Altertums. Vol. I, 2nd half. Die ältesten geschichtlichen Völker und Kulturen bis zum sechzehnten Jahrhundert. 3rd edn. Stuttgart and Berlin, 1913. Vol. III. Das Perserreich und die Griechen. Stuttgart, 1901.

—— Article 'Persia (History: Ancient),' in Encyclopaedia Britannica, 11th edn. XXI, 202-24.

Modi, J. J. The Country of Mekran—its Past History. In East and West, vol. III, part 1, pp. 494-505. Bombay, 1904.

Moulton, J. H. Early Zoroastrianism. (The Hibbert Lectures, second series.) London, 1913. [Excellent on the religious side.]

Nöldeke, Th. Aufsätze zur persischen Geschichte. Leipzig, 1887.

Prášek, J. V. Geschichte der Meder und Perser bis zur makedonischen Eroberung. Gotha, 1906-10.

Prellberg, K. A. C. Persien: eine historische Landschaft. (Dissertation.) Leipzig, 1891.

<Rapson, E. J. Ancient India from the earliest times to the first century A.D. Cambridge, 1914.> [This work contains a chapter on the Persians and the Macedonians (ch. VI).]

Rawlinson, G. The Five Great Monarchies of the Ancient Eastern World. Vol. IV. The Fifth Monarchy (Persia). London, 1867.

Rennell, J. The Geographical System of Herodotus. 2nd edn., revised. London, 1830. [See especially vol. I, pp. 303-426, 'The Twenty Satrapies of Darius Hystaspes.']

Rhys Davids, T. W. Buddhist India. New York and London, 1903.

Sarre, F. and Herzfeld, E. Iranische Felsreliefs; Aufnahmen und Untersuchungen von Denkmälern aus alt- und mittelpersischer Zeit. Text und Atlas. Berlin, 1910.

Schoff, W. H. The name of the Erythraean Sea. J.A.O.S. XXXIII, 349-62. New Haven, 1913.

—— See also Isidore of Charax, in part 1, *supra*.

Shepherd, W. R. Atlas of Ancient History. New York, 1913.

—— Historical Atlas. New York, 1911.

Smith, V. A. The Early History of India from 600 B.C. to the Muhammadan Conquest. 3rd edn., revised and enlarged. Oxford, 1914.

Smith, V. A. <The Oxford History of India from the earliest times to the end of 1911. Oxford, 1919.>

Spiegel, F. Die arische Periode und ihre Zustände. Leipzig, 1887.

—— Erânische Alterthumskunde. Leipzig, 1871–8.

<Spooner, D. B. The Zoroastrian period of Indian history. J.R.A.S., 1915, pp. 63–89, 405–55. (Based on discoveries made during the excavations on the site of Pāṭaliputra and reported by the author in Annual Report of the Archaeological Survey of India, Eastern Circle, for 1913–14, pp. 45 ff.)>

[These interesting articles have called forth considerable adverse criticism in regard to some of the theories advanced. (1) V. A. Smith, J.R.A.S., 1915, pp. 800–2, while fully agreeing with the likelihood of Persian influence in early India, regards certain of the theories set forth in the articles as 'somewhat daring speculations.' (2) A. B. Keith, ibid. 1916, pp. 138–43, in a discussion covering fourteen points, strongly opposes the notion of a Zoroastrian period of Indian history. (3) F. W. Thomas, ibid. 1916, pp. 362–6, accepts certain aspects of Dr Spooner's interpretation of Asura Maya and of Mount Meru, but is far from being satisfied with much of the evidence adduced in the articles. (4) 'Nimrod' (so signed), in The Modern Review, XIX, 373–6, 490–8, 597–600 (Calcutta, 1916), criticises the articles adversely throughout.]

<Spooner, [Mrs] Elizabeth C. The Fravashi of Gautama. J.R.A.S., 1916, pp. 497–504.> [Sees Zoroastrian influence on Buddhist art.]

Stein, M. A. Memoir on maps illustrating the Ancient Geography of Kaśmīr. Calcutta, 1899. (Reprinted from J.A.S.B. vol. LXVIII, part 1, extra no. 2, 1899.)

—— Afghânistân in Avestic Geography. In The Academy, XXVII, 348–9. London, 1885. Reprinted in Ind. Ant. XV, 21–3. Bombay, 1886.

<Sykes, Lieut.-Col. P. M. A History of Persia. London, 1915.>

Thomas, F. W. Sakastana. J.R.A.S., 1906, pp. 181–216, 460–4.

Tomaschek, [W] Article 'Derbikes,' in Pauly-Wissowa, Real-Encyclopädie der classischen Altertumswissenschaft, V, 237–8. Stuttgart, 1905.

Weissbach, F. H. Zur neubabylonischen und achämenidischen Chronologie. Z.D.M.G. LXII, 629–47. Leipzig, 1908.

—— Zu Herodots persischer Steuerliste. Philologus, LXXI, 479–90. Leipzig, 1912.

Wilson, H. H. Ariana Antiqua; a descriptive account of the antiquities and coins of Afghanistan. London, 1841.

Winckler, H. Vorläufige Nachrichten über die Ausgrabungen in Boghaz-köi im Sommer 1907. Mittheilungen der Deutschen Orientgesellschaft, no. 35, Dec. 1907.

NOTE TO CHAPTER XIV

Ancient Persian Coins in India.

On Persian coins generally see B. V. Head, The Coinage of Lydia and Persia (London, 1877), and E. Babelon, Les Perses Achéménides (Paris, 1893), pp. I–XX. The intimate connexion between the countermarks on Persian *sigloi* and those upon early Indian coins was suggested by E. J. Rapson, J.R.A.S., 1895, pp. 865 ff. Subsequent observations have tended to disprove this view, since it appears that most of the countermarked *sigloi* were not found in India; see G. F. Hill, J.H.S., 1919, pp. 125 ff. On the comparative value of gold and silver in ancient India see A. Cunningham, Coins of Ancient India (London, 1891), p. 5. In some parts of Asia in the thirteenth century the ratio was as low as 1 : 5; see Marco Polo, Book II, Chapters L and LIII.

CHAPTERS XV AND XVI

ALEXANDER THE GREAT; INDIA IN EARLY GREEK AND LATIN LITERATURE

1. Ancient Authors.

Arrian (Flavius Arrianus), a Greek, or Hellenised native, of Bithynia, and an official of the Roman empire; consul suffectus c. 130 A.D. and still alive in 171–2 A.D. Two of his works bear on India:

(*a*) Ἀλεξάνδρου Ἀνάβασις, Alexandri Anabasis; recent edn. that of A. G. Roos (Leipzig, 1907). [The most trustworthy of the ancient accounts of Alexander's expedition which have come down to us, based mainly on the accounts of Ptolemy and Aristobulus.]

—— Trans. J. W. M'Crindle. (In The Invasion of India by Alexander the Great. 2nd edn. Westminster, 1896.)

(*b*) Ἰνδική, Indica. (Included in edn of Arrian's Scripta Minora by A. Eberhard. Leipzig, 1885.) [A brief account of the geography, manners, and customs of India, drawn from Nearchus, Megasthenes, and Eratosthenes.]

—— Trans. M'Crindle. (In Ancient India as described by Megasthenes and Arrian. London, 1877.)

Diodorus, of Agyrion in Sicily; travelled in the Eastern Mediterranean c. 60 B.C.; lived till after 36 B.C. [See Pauly-Wissowa, v, 663.] He wrote a history of the world, under the title Βιβλιοθήκη; edn of Books I–XV by F. Vogel (Leipzig, 1888, 1890, 1893), of Books XVI–XVIII by C. T. Fischer (Leipzig, 1906). [Book II, chaps. 35–42, gives an account of India taken from Megasthenes; trans M'Crindle in Ancient India as described by Megasthenes and Arrian. Book XVII contains an account of Alexander's expedition, derived in part from Clitarchus; trans M'Crindle in The Invasion of India by Alexander the Great. Book XIX, chaps. 33–4, contains the account of the *satī* (*v. sup.* pp. 414–15); trans. M'Crindle in Ancient India as described in Classical Literature (Westminster, 1901), pp. 202 f.]

Quintus Curtius Rufus; nothing known of his life, fixed by his style to the first century A.D.; title of his Latin work, Historiae Alexandri Magni; ed. E. Hedicke (Leipzig, 1908). [The rhetorical character of the book points to Clitarchus as its main source.] Trans. of the part relating to India by M'Crindle (in The Invasion of India by Alexander the Great).

Plutarch, of Chaeronea in Boeotia; c. 45–125 A.D. [Chaps. 57–67 of his Life of Alexander are concerned with India. Edn. of the Lives by K. Sintenis (Leipzig, vol. III, 1881); trans. by M'Crindle in The Invasion of India by Alexander the Great.]

Justin (Marcus Junianus Justinus); second half of second century A.D.; composed an Epitome of the (now lost) Historiae Philippicae of Pompeius Trogus, a man of Gallic origin, who published his Latin Historiae some time between 20 B.C. and 14 A.D.; edn. of Justin's Epitome, together with a series of short summaries by another hand of the contents of the 44 Books of the lost work (the Prologi), by I. Ruehl (Leipzig, 1886). [Book XII contained an account of Alexander's campaigns in India; trans. of Justin's Epitome of the Book in M'Crindle, The Invasion of India. The chief source of Trogus was probably a Greek work Περὶ Βασιλέων by Timagenes of Alexandria (born between 80 and 75 B.C.), who himself drew, for his account of Alexander, mainly upon Clitarchus.]

Polyaenus, a Macedonian, wrote his Strategemata (in Greek) c. 162 A.D. [Book IV, chap. 3, deals with Alexander; ed. J. Melber. Leipzig, 1887.]

Two slighter works relating to the campaigns of Alexander seem occasionally to give details derived from the contemporary accounts but dropped in our more important extant sources:

(*a*) Alexandri Magni Macedonis Epitomae Rerum Gestarum, an abridgement made in the 4th or 5th century A.D. of a lost Latin work of uncertain date, combining history with elements taken from the Romance of Alexander; ed. Wagner in Fleckeisen's Jahrbücher für klassische Philologie, Supplementband XXVI (1901), pp. 105 ff.

(*b*) Itinerarium Alexandri, written c. 360 A.D.; printed at the end of the Didot Arrian; trans. M'Crindle in Ancient India as described in Classical Literature.

Strabo, of Amasia in Asia Minor; c. 64 B.C.–19 A.D.; his great geographical work (Greek) contains incidental notices of India and Alexander's campaigns. [Book XV, chap. 1, is devoted to India, its geography, manners, and customs, its material being drawn from the companions of Alexander and from Megasthenes; ed. A. Meineke (Leipzig, 1852–3); trans. M'Crindle in Ancient India as described in Classical Literature.]

Pliny the Elder (Gaius Plinius Secundus); 23–79 A.D.; his encyclopaedic work in Latin, the Naturalis Historia, contains notices of India drawn from the Greek books or from more recent reports of merchants; ed. D. Detlefsen (Berlin, 1866–73); a translation of the passages relating to India is given in M'Crindle's Ancient India as described in Classical Literature.

A collection of the Fragments of Ctesias by Karl Müller is appended to the Didot edn. of Herodotus; trans. M'Crindle, in Ancient India as described by Ktesias (London, 1882).

A collection of the Fragments of the contemporary accounts of Alexander (Ptolemy, Aristobulus, Clitarchus, etc.) by Karl Müller is bound up in the Didot edn. of Arrian (Paris, 1846).

A collection of the Fragments of Megasthenes, Daïmachus, and Patrocles is contained in K. Muller's Fragmenta Historicorum Graecorum, vol. II, pp. 397–439. [The references to Megasthenes, Nearchus, and Onesicritus in these chapters of The Cambridge History of India follow Müller's numeration. An earlier collection of the Fragments of Megasthenes, with notes by E. A. Schwanbeck (Bonn, 1846), now out of print, is still useful. This is the collection on which M'Crindle's translation (*v. sup.*) is based.]

2. Modern Works.

An account of Alexander's campaigns is contained in the histories of Grote, Droysen (best read in the French trans. by A. Bouché-Leclercq, entitled Histoire de l'Hellénisme, vol. I, Paris, 1883), Holm (Eng. trans. London, 1894–8), Niese (Geschichte der griechischen und makedonischen Staaten, vol. I, Gotha, 1893), Kaerst (Geschichte des hellenistischen Zeitalters, Leipzig, 1901), Beloch (Griechische Geschichte, vol. III, Strassburg, 1904).

For monographs and articles see the Notes appended to M'Crindle's translations (*v. sup.*).

Smith, V. A. The Early History of India. 3rd edn. Oxford, 1914. [In his account of Alexander's campaigns Dr Vincent Smith makes use of more recent topographical researches than seem to be known to the German scholars, for whom Cunningham is still generally the last authority.]

Anspach, A. E. De Alexandri Magni Expeditione Indica. London, 1903. [The most full and thorough arrangement of the literary material.]

Cunningham, A. The Ancient Geography of India. Vol. I. London, 1871. A work still of fundamental value, though necessarily to some extent corrected by subsequent research.]

Raverty, H. G. Notes on Afghanistan and part of Baluchistan. London, 1880, 1881, 1883.

—— The Mihrān of Sind and its Tributaries. J.A.S.B., 1892.

Tomaschek, W. Topographische Erläuterung der Küstenfahrt Nearchs vom Indus bis zum Euphrat. Sitz. Wien. vol. CXXI. 1890.

Haig, M. R. The Indus Delta Country. London, 1894.

von Wartenburg, Yorck. Kurze Uebersicht der Feldzüge Alexanders des Grossen. Berlin, 1897. [An examination of Alexander's campaigns by a modern German military specialist.]

Foucher, A. Sur la frontière Indo-Afghan. Paris, 1901.

—— La Géographie ancienne du Gandhara. Bulletin de l'École française d'Extrême Orient. Hanoi, 1901.

Holdich, T. H. The Greek Retreat from India. Jour. of the Royal Soc. of Arts, vol XLIX (1901), pp. 417 ff.

—— The Gates of India. London, 1910. [Based on exceptional local knowledge and written with great descriptive power; but suffers from an imperfect understanding of the classical texts.]

Pearson, C. Alexander, Porus, and the Panjab. Ind. Ant. vol. XXXIV (1905), pp. 253 ff.

Stein, M. A. Report of Arch. Sur. Work in the N.W. Frontier Province for 1904–5. [This report 'shattered the plausible identification (of Aornus) with Mahāban'; see V. A. Smith, Early Hist. of Ind. p. 57 n.]

For the battle on the Hydaspes see reff. in note 1 on p. 367 (*supra*).

NOTE TO CHAPTER XV

ATHENIAN AND MACEDONIAN COINS IN INDIA.

For the most comprehensive discussion of the whole subject see B. V. Head, Num. Chron., 1906, pp. 1 ff., and Historia Numorum, 2nd edn., pp. 832 ff. For Sophytes see A. Cunningham, J.A.S.B., 1865, pp. 46 f., and Num. Chron., 1866, pp. 220 ff., as well as other references given by Rapson (Indian Coins, p. 4), to which add Num. Chron., 1904, pp. 323 ff. and Z.f.N. XXIV, pp. 89 f. The 'square' bronze coin of Alexander (p. 388) was first published by A. von Sallet, Z.f.N. VI, p. 285, the attribution to Bactria having been proposed by Dannenberg. On the decadrachm (p. 389; Pl. I, 16) see P. Gardner, Num. Chron., 1887, pp. 177 ff., and on the double darics (p. 390; Pl. I, 6) see E. Babelon, Les Perses Achéménides, p. XX; Head, Hist. Num. pp. 828 ff.; and F. Imhoof-Blumer, Num. Zeit., 1895, pp. 1 ff. On the Oxus find see Cunningham, J.A.S.B., 1881, pp. 151 ff., and 1883, p. 258; cf. also O. M. Dalton, The Treasure of the Oxus (1905), Introduction.

CHAPTER XVII

THE HELLENIC KINGDOMS OF SYRIA, BACTRIA, AND PARTHIA

1. Ancient Authors.

Appian. L. Mendelssohn. Leipzig, 1879–81.
Arrian, Τὰ μετὰ Ἀλέξανδρον. Ed. C. Müller. Paris, 1846.
Athenaeus. Ed. G. Kaibel. Leipzig, 1887–90.
Fragmenta Historicorum Graecorum. Ed. C. Müller. Paris, 1878–85.
Josephus. Ed. S. A. Naber. Leipzig, 1888.
Pausanias. Ed. L. Dindorf. Paris, 1845.
Polybius. Paris, 1839.
Ptolemy, Bk. vii. Ed. C. F. A. Nobbe. Leipzig, 1843.

For Quintus Curtius, Diodorus Siculus, Pliny the Elder, Justin and Pompeius Trogus, and Strabo see Bibl. to Chapters xv and xvi, 1.

The chief ancient authorities are cited in the text. See, moreover, for the partitions of Babylon and Triparadisus: (*a*) Diodorus xviii, 3; Arrian, Τὰ μετὰ Ἀλέξανδρον, 5 ff.; Dexippus in F.H.G. iii, 667 f.; Curtius x, 10; Justin xiii, 4; and (*b*) Diodorus xviii, 39; Arrian, Τὰ μετὰ Ἀλέξανδρον, 35 ff.

2. Modern Works.

H. G. Rawlinson's Bactria, The History of a forgotten Empire (1912), is a handy summary of the main facts and references.

Among modern works of a more general character the following are important:

Bevan, E. R. The House of Seleucus. London, 1902.
Bouché-Leclercq, A. Histoire des Séleucides. Paris, 1913 etc.
Droysen, J. G. Geschichte des Hellenismus. 2 Auf. Gotha, 1877 etc.
von Gutschmid, A. Geschichte Irans. Tübingen, 1888.
Niese, B. Geschichte der griechischen und makedonischen Staaten. Gotha, 1893 etc.
Rawlinson, G. The Sixth Oriental Monarchy. London, 1873.

For Wilson, Ariana Antiqua, and Smith, Early History of India, see Bibl. to Ch. xiv, 2.

Various special articles in Pauly-Wissowa's Real-Encycl. by Tomaschek, W. Otto, and others; also in Encycl. Brit. (11th edn.) by E. Meyer.

W. W. Tarn's Notes on Hellenism in Bactria and India, J.H.S. xxii, pp. 268 ff., touching on some interesting historical points.

3. Numismatics.

Rapson's Indian Coins, Grund. d. indo-ar. Phil., 1898, gives full references to the numismatic authorities. Here the following may be cited as the more important:

Cunningham, A. The Coins of Alexander's Successors in the East. London, 1873 = Num. Chron., 1868–73.

von Sallet, A. Nachfolger Alexanders des Grossen in Bactrien und Indien. Berlin, 1883 = Z.f.N., 1879–83.

Gardner, P. Coins of the Greek and Scythic Kings of Bactria and India. B.M. Cat., 1886.

Imhoof-Blumer, F. Zur Münzkunde der Seleukiden. Num. Zeit. XLVI (1914), pp. 171 ff.

Smith, V. A. Catalogue of Coins in the Indian Museum, Calcutta. Vol. I. Oxford, 1906.

Whitehead, R. B. Indo-Greek Coins. Lahore Mus. Cat. Vol. I. Oxford, 1914.

Gardner, P. Seleucid Kings of Syria. B.M. Cat., 1878.

Babelon, E. Les Rois de Syrie. Paris, 1890.

Wroth, W. Coins of Parthia. B.M. Cat., 1903

CHAPTERS XVIII AND XIX

CHANDRAGUPTA, THE FOUNDER OF THE MAURYA EMPIRE; POLITICAL AND SOCIAL ORGANISATION OF THE MAURYA EMPIRE

1. Greek and Latin Authors.

For Arrian (Ἀλεξάνδρου Ἀνάβασις and Ἰνδική), Quintus Curtius, Diodorus Siculus, Justin, Megasthenes, Plutarch, and Strabo see Bibl. to Chapters xv and xvi, 1.

For Arrian (Τὰ μετὰ Ἀλέξανδρον) and Ptolemy see Bibl. to Ch. xvii, 1.

2. Brāhman Authorities.

Arthaçāstra of Kautilya (Kauṭalya, Chāṇakya, or Vishṇugupta). Ed. R. Shama Sastri. Mysore, 1909.
—— Trans. by the same. Books i–iv (=chapters 1–88), Mysore, 1908 etc.; Books v–xv (=chapters 89–150), Ind. Ant, 1909–10
Mudrārākshasa of Viçākhadatta. Ed. A. Hillebrandt. Breslau, 1912.
—— Trans. H. H. Wilson in Hindu Theatre, ii. 2nd edn. London, 1835.

For Mahābhārata and Manu (Mānava Dharma Çāstra) see Bibl. to Chapters ix–xii, 1, 2.

For the Purāṇas see Bibl. to Ch. xiii, 1.

3. Jain Authorities.

Kalpasūtra of Bhadrabāhu. Ed. H. Jacobi. Abh. für die Kunde des Morgenlandes, vii. Leipzig, 1879.
—— Trans. by the same. S.B.E. xxii.
Sthavirāvalī Charita of Hemachandra. Ed. H. Jacobi. Calcutta, 1891.

For the Hāthigumphā inscr. of Khāravela see Bibl. to Ch. xxi, 2.

4. Buddhist Authorities.

See Bibl. to Ch. vii, 1.

Mahāwanso (Mahāvaṃsa). Trans. G. Turnour. Colombo, 1837.
Sūtrālaṃkāra of Açvaghoṣa. See Bibl. to Ch. xx, 3 (a).

For the inscrr. of Açoka see Bibl. to Ch. xx, 1.

5. Modern Works.

(a) On the Arthaçāstra.

Hertel, J. Literarisches aus dem Kauṭilīyaçāstra. W.Z.K.M., 1910.
Hillebrandt, A. Über das Kauṭilīyaçāstra. Breslau, 1908.
Jacobi, H. Kultur-, Sprach-, und Literarhistorisches aus dem Kauṭilīya. Sitz. K.P.A., 1911.
—— Über die Echtheit des Kauṭilīya. ibid. 1912.

Jolly, J. Arthaçâstra und Dharmaçâstra. Z.D.M.G., 1913.
—— Kollektaneen zur Kauṭilīya Arthaçâstra. ibid. 1914.
Keith, A. B. The authenticity of the Kauṭilīya. J.R.A.S., 1916.
R. Shama Sastri. Châṇakya's Land Revenue Policy (4th century B.C.). Ind. Ant., 1905.

(*b*) GENERAL.

Benoy Kumar Sarkar. The positive background of Hindu Sociology. Allahâbâd, 1914.
Bühler, G. Aśoka's Râjûkas oder Lajukas. Z.D.M.G., 1893.
Cunningham, Stupa of Bharhut; and
Fergusson, Indian and Eastern Architecture. See Bibl. to Ch. XXVI, 2.
Fick, Sociale Gliederung. See Bibl to Ch. VIII, 2.
Formichi, C. Gl' Indiani e la loro scienza politica. Bologna, 1899 etc.
Foucher, A. The Beginnings of Buddhist Art and other Essays. Trans. L. A. Thomas and F. W. Thomas. Paris and London, 1917.
Foy, W. Die königliche Gewalt nach den Dharmasûtren. Leipzig, 1895.
Grünwedel, Buddhistische Kunst. See Bibl. to Ch. XXVI, 2.
Hardy, E. Über den Ursprung des Samajja. Album Kern. Leiden, 1903.
Hopkins, E. W. The social and military position of the ruling caste in ancient India. J.A.O.S. XIII.
—— The mutual relations of the four Castes according to the Mânavadharmaçâstram. Leipzig, 1881.
Jacobi, H. Was ist Sanskrit? Scientia, XIV.
Jayaswal, K. P. An Introduction to Hindu Polity. Modern Review, 1913.
Jolly, J. Recht und Sitte. Grund d. indo-ar. Phil. Strassburg, 1896.
Jones, W. On Asiatic History, Civil and Natural. Asiatic Researches, IV. [Anniversary Address to the Asiatic Society of Bengal. 28 Feb. 1793.]
Kohler, J. Altindisches Prozessrecht. Stuttgart, 1891.
Konow, Sten. Note on the use of images in ancient India. Ind. Ant., 1909.
Lassen, Chr. Indische Alterthumskunde. See Gen. Bibl., 3.
—— De Pentapotamia Indica Bonn, 1827
Maisey, Sanchi. See Bibl. to Ch. XXVI, 2.
Oldenberg, H. Studien zur Geschichte des buddhistischen Kanon. G.G.N., 1912.
Rhys Davids, Buddhist India. See Bibl. to Ch VII, 2
Smith, Fine Art in India and Ceylon; and
Spooner, Excavations at Pâṭaliputra. See Bibl. to Ch. XXVI, 2.
Thomas, Date of Kanishka. See Bibl. to Ch XXIII, 5.
Waddell, Excavations at Pâṭaliputra. See Bibl. to Ch XXVI, 2.
Zimmer, Altindisches Leben. See Bibl. to Ch. IV, 2.

CHAPTER XX

AÇOKA, THE IMPERIAL PATRON OF BUDDHISM

1. The Inscriptions of Açoka.

For bibliographies of the very large literature dealing with the inscriptions see R. O. Franke, Pāli und Sanskrit (pp. 1–5); V. A. Smith, Asoka[2] (pp. 202–4); id. Early Hist. of Ind.[3] (pp. 172–4); <id. Asoka[3] (pp. 227–30). The last appeared after the completion of this chapter.>

The present bibliography includes those works which deal directly with topics discussed in the chapter.

Senart, E. Les Inscriptions de Piyadasi. Paris, 1881, 1886. [Still the standard authority on the inscriptions generally. It is supplemented by the following more recent editions of individual inscriptions.]

Bairāt: Bühler, Ind. Ant., 1893.

Barābar Hills: Buhler, Ind. Ant., 1891.

Bhābhrā: Senart, Jour. As., 1887 (IX); Senart and Grierson, Ind. Ant., 1891; <see also Smith, Asoka[3], p. 228.>

Brahmagiri: Bühler, Ep. Ind. III.

Kauçāmbī: Bühler, Ind. Ant., 1890.

Maski: K. Krishna Sastri. The new Asokan edict of Maski. Hyderabad Arch. Ser., no. 1. Calcutta, 1915.

Niglīva: Bühler, Ep. Ind. V.

Orissa or Kaliṅga (Dhauli and Jaugada). Senart and Grierson, Ind. Ant., 1890.

Pillar and Rock Edicts: Bühler, Ep. Ind. II.

Rummindeī (Lumbinī): Bühler, Ep. Ind. V; Fleet, J.R.A.S., 1908.

Rūpnāth and Sahasrām. Buhler, Ind. Ant., 1893.

Sāñchī: Bühler, Ep Ind. II; see also Boyer, Jour. As., 1907 (X); Hultzsch, J.R.A.S., 1911.

Sārnāth: Vogel, Ep Ind. VIII; Boyer, Jour. As., 1907 (X).

2. Other Inscriptions.

Barābar Hills (Daçaratha): Cunningham, Corpus Inscriptionum Indicarum, I; Bühler, Ind. Ant., 1891.

Junāgarh (Rudradāman): Kielhorn, Ep. Ind. VIII.

Kharoṣṭhī Inscriptions discovered by Sir A. M. Stein in Chinese Turkestān. Ed. A. M. Boyer, E. J. Rapson, and E. Senart. Pt. I. Oxford, 1920.

3. Literary Sources.

(*a*) Indian.

Açokāvadāna. See Divyāvadāna, Bibl. to Ch. VII, 1.

Harṣacarita. See Bibl. to Ch. XXI, 1.

Kalpasūtra. See Bibl. to Chapters XVIII and XIX, 3.

Mahābhāṣya. Ed. Kielhorn. Bombay, 1880–5.

Mahāvaṃsa. See Bibl. to Ch. VII, 1.

Purāṇas. See Bibl. to Ch. XIII, 1.

Rājataraṅgiṇī. Ed. A. M. Stein. Bombay, 1892.
—— Trans. by the same. Westminster, 1900.
Sūtrālaṃkāra. French trans. (from the Chinese version) by E. Huber. Paris, 1908.

(*b*) CHINESE.

Hiuen Tsiang. Trans. S. Julien. Mémoires sur les Contrées occidentales. Paris, 1857–8.
—— — S. Beal. Buddhist Records of the Western World. London, 1884.
—— — T. Watters. On Yuan Chwang's Travels in India. London, 1904–5.

(*c*) TIBETAN.

Tāranātha. Trans. by F. A. von Schiefner: Geschichte des Buddhismus in Indien. St Petersburg, 1869.

4. MODERN WORKS.

Bühler, G. Beiträge zur Erklärung der Aśoka-Inschriften. Z.D.M.G., 1883 and 1887.
—— Aśoka's Rājūkas oder Lajukas. Z.D.M.G., 1893.
Burnouf, E. Introduction à l'histoire du Buddhisme indien. 2nd edn. Paris, 1876.
Cunningham, Bhilsa Topes. See Bibl. to Ch. XXVI, 2.
Fleet, J. F. Mahishamandala and Mahishmati. J.R.A.S., 1910.
Foucher, Beginnings of Buddhist Art. See Bibl. to Chapters XVIII and XIX, 5 (*b*).
Franke, R. O. Pāli und Sanskrit. Strassburg, 1902.
—— Trans. Mrs Rhys Davids: The Buddhist Councils at Rājagaha and Vesālī. J.P.T.S., 1908.
Griffiths, Ajanta Caves. See Bibl. to Ch. XXVI, 2.
Hardy, E. Indiens Kultur in der Blutezeit des Buddhismus: König Asoka. Mainz, 1902.
Lassen, Indische Alterthumskunde. See Gen. Bibl., 3.
Lévi, Sylvain. Le Nepal. Musée Guimet. Paris, 1905–8.
Maisey, Sanchi. See Bibl. to Ch. XXVI, 2.
Pargiter, Kali Age. See Bibl. to Ch. XIII, 1.
Rhys Davids, Buddhist India. See Bibl. to Ch. VII, 2.
Rockhill, W. W. Life of the Buddha. London, 1884.
Smith, V. A. Asoka. 2nd edn. Oxford, 1909. <3rd edn. Oxford, 1920.>
—— Early History of India. See Gen. Bibl., 3.
Thomas, F. W. Les *rivāsāḥ* d'Açoka. Jour. As., 1910 (XV).
—— See Smith, Asoka Notes. Ind. Ant., 1908.
Waddell, L. A. Upagupta, the fourth Buddhist Patriarch and High Priest of Açoka. J.A.S.B., 1897.
—— Identity of Upagupta, the High Priest of Açoka, with Moggaliputta Tisso. Proc. A.S.B., 1899.
—— Excavations at Pāṭaliputra. See Bibl. to Ch. XXVI, 2.

CHAPTER XXI

INDIAN NATIVE STATES AFTER THE PERIOD OF THE MAURYA EMPIRE

1. LITERARY SOURCES.

Divyāvadāna. See Bibl. to Ch. VII, 1.
Harṣacarita. Ed. Parab. 3rd edn. Bombay, 1912.
—— Ed. with notes Gajendragadkar. Poona.
—— Trans. E. B. Cowell and F. W. Thomas. London, 1897.
Kālakācāryakathānakam. See Bibl. to Ch. VI, 2.
Mālavikāgnimitra. Ed. Parab. Bombay, 1907.
—— Trans. C. H. Tawney. Calcutta, 1875.
Mārkaṇḍeya Purāṇa. See Bibl. to Ch. XIII, 1.

2. INSCRIPTIONS.

Bhattiprolu. Bühler, Ep. Ind. II.
Hāthigumphā. Cunningham, Corpus Inscriptionum Indicarum, vol. I. 1877; Bhagvānlāl Indrāji, Trans. Inter. Or. Cong pt. 3, Leiden, 1883; Lüders, Ep. Ind. X (App., no. 1345); J. P. Jayaswal and R. D. Banerji, Jour. Bihar and Orissa Research Soc., 1918 (Dec. 1917). For various views as to the interpretation of this inscr. see Fleet, J.R.A.S., 1910; V. A. Smith, id., 1918; Ramaprasad Chanda, id., 1919; R. C. Majumdar, Ind. Ant., 1919; K. C. Sankara Aiyar, id, 1920.
Nānāghāt: Bühler, Arch. Sur. West. Ind. V.
Nāsik (Krishṇa). Bühler, Arch. Sur. West. Ind. IV.
Pabhosā: Führer, Ep. Ind. II.

3. COINS.

For summary with bibliography see Rapson, Indian Coins.
Bergny, A V. Notes on some Brāhmī-Kharoṣṭhī Inscriptions on Indian Coins. J.R.A S., 1900
Cunningham, A. Coins of Ancient India. London, 1891.
Franke, O Epigraphische Notizen. Z.D.M.G. L. pp. 601 f.
Rapson, E. J. Notes on Indian Coins and Seals. Pts. I–III. J.R.A.S., 1900. Pt. V. J.R.A.S., 1903.
—— Coins of the Andhra Dynasty &c. See Bibl. to Ch. XXIV, 4.

4. GENERAL.

Baines, A. Ethnography. See Bibl. to Ch. II, A, 2.
Banerji, R. D. Some Sculptures from Kosam. Arch. Sur. Ind., 1913–14.
Bhandarkar, D. R. Excavations at Besnagar. Arch. Sur. Ind., 1913–14, and 1914–15.
—— The Deccan of the Sātavāhana Period. Ind Ant., 1918 etc.
Bhandarkar, R. G. On the date of Patañjali. Ind. Ant., 1872.
—— Early History of the Deccan. 2nd edn. Bombay, 1895.
Dey, N. L. Geographical Dictionary. See Bibl. to Ch. II, 3.

Fourcher, A. Géographie ancienne du Gandhara. See Bibl. to Chapters xv and xvi, 2.
Jouveau-Dubreuil, G. Ancient History of the Deccan. See Bibl. to Ch. xxiv, 6.
Marshall, J. H. Guide to Sanchi. See Bibl. to Ch. xxvi, 2.
Pargiter, F. E. Kali Age. See Bibl. to Ch. xiii, 1.
Prinsep, J. Essays on Indian Antiquities. Ed. E. Thomas London, 1858.
Ramaprasad Chanda Archaeology and Vaishnava Tradition. Memoirs of the Arch. Sur. of Ind., No. 5, 1920.
Smith, V. A. Autonomous Tribes of the Panjāb conquered by Alexander the Great. J.R.A.S., 1903.
Watters, T. On Yuan Chwang. London, 1904-5.

CHAPTER XXII

THE SUCCESSORS OF ALEXANDER THE GREAT

1. Literary Sources.

(*a*) Greek and Latin.

For editions and translations of Justin, Pliny, Strabo, and the Itinerarium Alexandri see Bibl. to Chapters xv and xvi, 1.

Periplus maris Erythraei. Ed. B. Fabricius. Leipzig, 1883.
—— Trans. J. W. M'Crindle. Calcutta, 1879.
—— Trans. W. H. Schoff. London, 1912.
Plutarch. Moralia. Ed. G. N. Bernardakis. Leipzig, 1888-96.

(*b*) Sanskrit and Pāli.

Bṛihat Saṃhitā. Ed. J. H. K. Kern. Calcutta, 1865. [In the introduction Kern describes the Yuga Purāṇa of the Gārgī Saṃhitā, for which see also F. Max Müller, India, What can it teach us? New edn. London, 1892.]
—— Trans. H. Kern. J.R.A.S., 1869.
Milindapañha. See Bibl. to Ch. vii, 1.
Mālavikāgnimitra. See Bibl. to Ch. xxi, 1.

2. Inscription.

Besnagar: J. H. Marshall, J.R.A.S., 1909, pp. 1053 ff. [See also notes by Bloch, Fleet, Barnett, and Venis in J.R.A.S., 1909 and 1910]; Ramaprasad Chanda, Memoirs of the Arch. Sur. of Ind., No. 1, 1919.

3. Coins.

See Bibl. to Ch. xvii, 3.

Bühler, G. Kharoṣṭhī Inscriptions on Indo-Grecian Coins. W.Z.K.M. viii.
Rapson, E. J. Coins of the Graeco-Indian Sovereigns Agathocleia, Strato I Soter, and Strato II Philopator. Corolla Numismatica, Numismatic Essays in honour of Barclay V. Head. Oxford, 1906.

4. General.

Bhandarkar, D. R. The archaeological remains and excavations at Nagari. Memoirs of the Arch. Sur. Ind., No. 4. Calcutta, 1920.
Bhandarkar, R. G. A Peep into the early History of India. Jour. Bombay Br. R.A.S., 1900; revised edn Bombay, 1920.
Fleet, J. F. Sākala, Çākala, the city of Milinda and Mihirakula. Trans. Inter. Or. Cong., Algiers. Pt. i. 1905.
Cunningham, Ancient Geography; Holdich, Gates of India; M'Crindle, Invasion of India; see Bibl. to Chapters xv and xvi.
Prinsep's Essays; Watters, On Yuan Chwang; see Bibl. to Ch. xxi, 4.
Thomas, Sakastana; see Bibl. to Ch. xxiii, 5.

CHAPTER XXIII

THE SCYTHIAN AND PARTHIAN INVADERS

1. Literary Sources.

(*a*) Greek.

For editions and translations of Herodotus and Isidore of Charax see Bibl. to Ch. xiv, 1 (*b*); of the Periplus maris Erythraei, Ch. xxii, 1 (*a*).

(*b*) Chinese.

The earliest Chinese accounts of the Çakas and the Yueh-chi are derived from the reports of Chang-k'ien, who visited the Yueh-chi c. 125 B.C. as an envoy from the emperor Wu-ti. They are contained in the Historical Record of Ssŭ-ma-ch'ien (born c 145 B.C.), in the Annals of the First Han Dynasty (begun by Pan-ku who died in 92 A.D), and in the Annals of the Second Han Dynasty, an abstract from which is preserved in the encyclopaedia of Ma-twan-lin (13th cent. A.D.).

See the following works:

de Rémusat, J. P. A. Sur quelques peuples du Tibet et de la Boukharie, tiré de l'ouvrage de Ma-touan-lin. Nouveaux Mélanges Asiatiques. Vol. i. 1829.

Wylie, A Notes on the Western Regions. Jour Anthropological Institute, 1880.

Kingsmill, T. W. The intercourse of China with Eastern Turkestan and the adjacent countries in the second century B C. J.R A.S., 1882

Specht, E Études sur l'Asie centrale, d'après les historiens chinois. Jour. As., 1883 (ii).

—— Les Indo-Scythes et l'époque du règne de Kanichka, d'après les sources chinoises. Jour. As., 1897 (x).

Lévi, Sylvain. Notes sur les Indo-Scythes. Jour. As., 1896 (viii), 1897 (ix).

—— Eng. trans.. Notes on the Indo-Scythians Ind. Ant., 1903, 1904.

Boyer, A. M. L'Époque de Kaniṣka. Jour. As., 1900 (xv).

Smith, V A. The Kushān, or Indo-Scythian, Period of Indian History. J.R.A.S., 1903.

Chavannes, E. Documents sur les Tou-kiue (Turcs) occidentaux. St Petersburg, 1903.

Franke, O. Beiträge aus chinesischen Quellen zur Kenntniss der Türkvölker und Skythen Zentralasiens. Abhand. d. kgl preuss Akad d. Wiss., Berlin, 1904. See also Ind. Ant., 1906, pp. 33 ff., and J.R.A.S., 1907, pp. 675 ff.

2. Inscriptions.

Kharoṣṭhī Inscriptions (Chinese Turkestān): see Bibl. to Ch. xx, 2.

Mathurā, Amohinī votive tablet: Bühler, Ep. Ind. ii, cf. also note in Ep. Ind. iv. Lion Capital: Bhagvānlāl Indrājī (ed. Bühler), J.R.A.S., 1894; Thomas, Ep. Ind. ix.

Panjtar: Cunningham, Arch. Sur. Rep. iii; Fleet, J.R.A.S., 1914.

Suē Vihāra: Hoernle, Ind. Ant., 1881.

Takht-i-Bahi: Senart, Jour. As., 1890 (xv); Boyer, id., 1904 (iii); cf. Fleet, J.R.A.S., 1906.

Takshaçilā, Copper-plate of Pātika: Buhler, Ep. Ind. iv. Inscr. of year 136: Marshall, J.R.A.S., 1914; Sten Konow, Ep. Ind. xiv; cf. Boyer, Jour. As., 1915 (v); Ramaprasad Chanda, J.R.A.S., 1920.

3. Coins.

See Bibl. to Ch. xvii, 3.

Bhagvānlāl Indrājī (ed. Rapson). The Northern Kshatrapas. J.R.A.S., 1894.

Cunningham, A. Coins of the Indo-Scythians. London, 1892 (=Num. Chron., 1888, 1889, 1890, 1892).

Drouin, E. Chronologie et Numismatique des Rois Indo-Scythes. Rev. Num., 1888.

Marshall, J. H. Excavations at Taxila. Arch. Sur. Ind., 1912–13. [Most valuable for the evidence supplied by the actual discoveries of coins.]

Rapson, E. J. Ancient silver coins from Baluchistan. Num. Chron., 1904.

Smith, V. A. The Indo-Parthian Dynasties. Z.D.M.G., 1906.

—— The Śakas in Northern India. Z.D.M.G., 1907.

4. Gondophernes in Christian Legend.

Burkitt, F. C. Early Christianity outside the Roman Empire. Cambridge, 1899.

—— The original language of the Acts of Judas Thomas. Jour. Theological Studies, 1900.

Dahlmann, J. Die Thomas Legende. Freiburg, 1912.

Fleet, J. F. St Thomas and Gondophernes. J.R.A.S., 1905.

von Gutschmid, A. Die Königsnamen in den apokryphen Apostelgeschichten. Rheinisches Museum, 1864.

Kennedy, J. The Gospels of the Infancy. J.R.A S., 1917.

Medlycott, A. E. India and the Apostle Thomas London, 1905.

Philipps, W. R. The connection of St Thomas the Apostle with India Ind. Ant., 1903.

Wright, W. Apocryphal Acts of the Apostles. Vol. ii. London, 1871.

5. General.

Banerji, R. D. The Scythian Period of Indian History. Ind. Ant., 1908.

Fleet, J. F. Moga, Maues, and Vonones. J.R.A.S., 1907.

Geiger, W. Geographie von Iran. Grund. d. ir. Phil. ii.

von Gutschmid, A. Geschichte Irans. Tübingen, 1888.

Justi, F. Geschichte Irans. Grund. d. ir Phil. ii.

Kennedy, J. The Secret of Kanishka. J R.A.S., 1912.

Konow, Sten. Indoskythische Beiträge. Sitz. K.P.A., 1916.

Marquardt, J. Ērānšahr See Bibl. to Ch. xiv, 2.

Rawlinson, G. The sixth great Oriental Monarchy. London, 1873.

—— Parthia. London, 1893.

Rawlinson, H. G. Bactria. London, 1912.

—— Intercourse between India and the Western World. Cambridge, 1916.

Thomas, F. W. Sakastana. J.R.A.S, 1906.

—— The date of Kanishka. J.R.A.S., 1913. [For the discussion on this subject see also J.R.A.S., 1914.]

For geography and ancient routes see Bibl. to Ch. ii, A, 3 and 4, also Grund. d. ir. Phil. ii, pp. 610–11 (Afghānistān, Baluchistān, India).

Summary of Numismatic Evidence.

For the Kharoshṭhī coin-legends see.

Bühler, G. Kharoṣṭhī Inscriptions on Indo-Grecian coins. W.Z.K.M. viii.

Rapson, E. J. On the alphabet of the Kharoṣṭhī documents discovered by Dr Stein at Niya in Chinese Turkestān. Trans. Inter. Or. Cong., Algiers, 1905. Pt. i. Paris, 1906.

For the letter *v́* in the name V'ima Kadphises see Rapson, op. cit. pp. 218–19.

CHAPTER XXIV

THE EARLY HISTORY OF SOUTHERN INDIA

ORIGINAL SOURCES.

1. Greek and Roman writers. See Bibl. to Chapters XV and XVI, 1.

2. Purāṇas. See Bibl. to Ch. XIII, 1.

3. Inscriptions: (*a*) the inscriptions of Açoka. See Bibl. to Ch. XX, 1.
(*b*) the inscriptions of Southern India generally.

South Indian Inscriptions (Arch. Sur. of Ind., New Imperial Series), 1890 etc.
Epigraphia Carnatica, 1886 etc.
Epigraphia Indica, 1892 etc
Reports of the Archaeological Superintendent for Epigraphy.
Burnell, A. C. The Elements of South Indian Palaeography. 2nd edn. 1878.

4. Coins.

Elliot, W. Coins of Southern India. London, 1885.
Smith, V. A. Āndhra History and Coinage. Z.D.M.G. 1902–3.
Rapson, E. J. B.M. Cat., Coins of the Andhra Dynasty etc. 1908.
Sewell, R. Roman Coins found in India. J.R.A.S. 1904.

MODERN WORKS.

5. Ethnology. See Bibl. to Ch. II, A, 2.

6. Archaeology.

Madras, Annual Reports of the Archaeological Department.
Mysore, Annual Reports of the Archaeological Department.
Hyderabad Archaeological Series.
Travancore Archaeological Series. Madras, 1910 etc.
The Tamilian Antiquary. Trichinopoly, 1907 etc
Jouveau-Dubreuil, G. Ancient History of the Deccan. Pondicherry, 1920.
—— Archéologie du Sud de l'Inde Annales du Musée Guimet. 2 vols. Paris, 1914.
—— Pallava Antiquities. Vol. I. London, 1916. Vol. II. Pondicherry, 1918.
—— Dravidian Architecture. Madras, 1917.

The Indian Antiquary (Bombay, 1872 etc.) contains numerous articles on Southern India. See also Bibl. to Ch. XXVI, 2.

7. History: (*a*) Chronology.

Garrett, H. L. O. The Student's Source-book of Indian History. The pre-Musalman Period. Bombay, 1916.
Gopala Aiyar. Chronology of Ancient India. Madras, 1901 etc.

See also Gen. Bibl., 4.

(*b*) History of civilisation.

Oldenberg, H. Ancient India. 2nd edn. Chicago, 1898.
Nandalal De. Civilization in Ancient India. Calcutta, 1903.
de Lorenzo, G. India e Buddhismo Antico. Bari, 1904.
V. Kanakasabhai Pillai. The Tamils eighteen hundred years ago. Madras, 1904.

Chintamani Vinayaka Vaidya. Epic India. Bombay, 1907.
Radhakumud Mookerji. A History of Indian Shipping. London, 1912.
—— Local Government in Ancient India. 2nd edn. Oxford, 1920.
P. T. Srinivasa Aiyangar. Life in Ancient India in the Age of the Mantras. Madras, 1912.
Pramathanath Banerjea. Public Administration in Ancient India. London, 1916.
K. V. Rangaswami Aiyangar. Considerations on some Aspects of Ancient Indian Polity. Madras, 1916.
S. Krishnaswami Aiyangar. The Beginnings of South Indian History. Madras, 1918.
—— Hindu India from original sources. Bombay, 1919.
Ramesh Chandra Majumdar. Corporate Life in Ancient India. Calcutta, 1918.
Praphullachandra Vasu. Indo-Aryan Polity during the period of the Rig Veda. Allahabad, 1919.

See also Gen. Bibl., 3.

CHAPTER XXV

THE EARLY HISTORY OF CEYLON

Original Sources.

1. **Pali.**

For the Mahavamsa and the Dipavamsa see Bibl. to Ch. VII, 1. There are other translations of the Mahāvamsa by G. Turnour (Colombo, 1837), and C. Wijesinha (Colombo, 1889).

Dāthāvamsa [a history of the Tooth Relic written by Dhammakitti c. 1200 A.D.]. Kelaniya, 1883.

Mahābodhivamsa [a history of the Bo Tree by Upatissa]. Ed. S. A. Strong. P.T.S. London, 1891.

2. Sinhalese.

Attanagalu-vihāra-vamsaya [a Pāli and Sinhalese history of the Attanagalu Monastery]. Ed. and trans J. Alwis. Colombo, 1878 and 1887.

Daḷadā-pūjāvaliya [a history of the Tooth Relic written in 1295 A.D.]. Colombo, 1893.

Mahābodhivamsa [trans. from Pāli]. Colombo, 1891 etc.

The Mahāvansi, the Rājaratnācari [by Abhaya-rāja of Valgam-pāya], and the Rājāvali. Ed. E. Upham. London, 1883

Nikāya-saṅgraha [a history of Buddhist sects by Dhammakitti]. Ed. Don M. de Z. Wickremasinghe. Colombo, 1890.

Pūjāvaliya [a collection of legends and stories of worship by Mayūra-pāda Thera]. Ed. V. Dhammānanda. Colombo, 1903–8.

Rāja-ratnākaraya [a history of Ceylon by Abhaya-rāja Thera of Valgam-pāya, c. 1542 A.D.]. Ed. S. de Silva. Colombo, 1907.

Rājāvaliya [a history of Ceylon]. Ed. B. Gunasekhara. Colombo, 1899–1900.

Thūpavamsa [a history of the sanctuary of Ruvanväli by Parākrama Paṇḍita]. Colombo, 1889 etc.

Much of the historical material is still unpublished. The following Sinhalese works may be mentioned:

Daḷadā-pūjāvaliya, a history of the cult of the Tooth Relic, written c. 1300 A.D.; Daḷadā-sirita, on the same subject, by a priest of the Pärakumbā Pirivena, written c. 1325; Daḷadā-sirita, on the same, by Kitsiri Mevan Rājasundara, in 1485–6; Lakrajalō-sirita, a work on the rules of succession, constitutional powers etc., of the kings of Ceylon; Mahābodhivamsa (*v. sup.*) [of this work there are two Sinhalese translations, viz. by Vilgammula Thera (c. 1300) and Saraṇaṅkara (1725), besides a Sinhalese commentary called Dharma-pradīpikāva or Bodhivamça-parikathāva by Guruḷu-gomi. There is also a Chūla-bodhivamsa by Sumaṅgala (1798)]; Mahāsammata-rājāvaliya, a history of Ceylon; Narendra-charitāvalokana-pradīpaya, a modern compilation on Sinhalese history, which however contains some old materials; Rājāvaliya [several histories bearing this name are existent, besides a Rājāvali-saṅgrahava or abridgment, and two works in the British Museum styled respectively Suḷu Rājāvaliya or Rājavamça and Rājāvaliya or Suḷu Rājavamçaya]; Rājavamça-saṅkshepaya, an abridged history; Rājavikrama-pravṛittiya, another history; Ruvanväli-kathāva; Saddharma-ratnākaraya, on Buddhist doctrine and legends, by Vimalakīrtti or Siddhārtha (c. 1410); Suḷu Thūpavamsaya, a history of the Ruvanväli sanctuary, also known as Ruvanväli-dāgaba-kathāva; Vijaya-rājāvaliya, a history of Ceylon; Vijaya-rājavamçaya, another

history; Vijitavelli-rājāvaliya, a modern local chronicle by Yatihalagala Polvattē Vidānē, but containing some ancient material.

The Kadaim-pot, or local geographies, sometimes give data of some historical interest. Mention may be made also of Vāchissara's Pāli version of Parākrama Paṇḍita's Thūpavaṃsa, and of the Pāli commentary on the Mahāvaṃsa.

There is a copious popular ballad-literature concerned more or less with the legends of Vijaya, Paṅḍuvas, and Mala Raja, the legendary hero who is said to have healed the 'perjury-sickness' of Paṅḍuvas with the aid of the Väddas. Through him this saga is brought into connexion with the legend of Rāma. Among these poems may be mentioned the following: Uru-dānaya; Vijayindu-haṭanē; Laṅkā-bodhi-vastuva; Kuveni-asnē; Vijalindu-divi-dos-upata; Vijayindu-puvata; Palavāla-dānē; Siṃhala-vistarē; Siṃhavalli-kathāva; Oḍḍisa-upata; Maha-asnē; Väḍi-yak-yādinna; Malalu-kumaru-kavi; Yāga-alaṅkāraya; Kaḍavara-vidiya; and Irugal-baṇḍāra-kavi.

3. Inscriptions.

Epigraphia Zeylanica. Ed. Don M. de Z. Wickremasinghe. Oxford, 1904 etc.
Müller, E. Ancient Inscriptions in Ceylon. London, 1883.

4. Coins.

Rhys Davids, T. W. Ancient Coins and Measures of Ceylon. London, 1877.

MODERN WORKS.

5. Ethnology.

Seligmann, C. G. and B. Z. The Veddas. Cambridge, 1911.

See also the bibliography given by A. Baines, Ethnography (Grund. d. indo-ar. Phil., 1912), pp. 210–1.

6. Language and Literature.

Geiger, W. Dīpavaṃsa und Mahāvaṃsa. Leipzig, 1905.
—— Eng. trans. Ethel Coomaraswamy. Colombo, 1908.
—— Litteratur und Sprache der Singhalesen. Grund. d. indo-ar. Phil., 1900.

7. Archaeology.

Archaeological Survey of Ceylon, Annual Reports.
Burrows, S. M. Buried Cities of Ceylon. Colombo, 1894.
Cave, H. W. The Ruined Cities of Ceylon. 2nd edn. London, 1900.
Fergusson, J. History of Indian and Eastern Architecture. 2nd edn. London, 1910.
Parker, H. Ancient Ceylon. London, 1909.
Smith, V. A. A History of Fine Art in India. Oxford, 1911.
Smither, J. G. Architectural Remains, Anurādhapura. London, 1894.

8. History, Religion, Folk-lore.

Geiger, W. Ceylon. Wiesbaden, 1898.
Kern, H. Manual of Indian Buddhism. Grund. d. indo-ar. Phil., 1896.
Parker, H. Village Folk-tales of Ceylon. London, 1910 etc.
Rhys Davids, T. W. Buddhism. London, 1878. [Many later editions]
—— Buddhist India. London, 1903.
Tennent, J. E. Ceylon. 5th edn. London, 1860.
Turnour, G. An Epitome of the History of Ceylon. 1836.

The Journal of the Royal Asiatic Society, the Journal of the Ceylon Branch of the R.A.S., and the Indian Antiquary contain articles on the history of Ceylon.

CHAPTER XXVI

THE MONUMENTS OF ANCIENT INDIA

1. The Prehistoric Period.

Ball, V. On the Forms and Geographical Distribution of Stone Implements in India. (Appendix B of Jungle Life in India. London, 1880. Condensed from Proc. R.I.A. 2nd ser. vol. I, 1879.)

—— and Foote, R. Bruce. Ancient Stone Implements in India. Proc. A.S.B., 1888, pp. 192 ff.

Bidie, Surgeon-General (quoted from the Madras Mail). On Prehistoric Graves near Pallāvaram. J.R.A.S., 1887, pp. 693 ff.

Blanford, W. T. Stone Implements found in India. Proc. A.S.B., 1867, pp. 136 ff.

Bloch, Th. Excavations at Lauriya. Arch. Sur. Ind., 1906-7, pp. 119 ff.

—— Caves and Inscriptions in Rāmgarh Hill. Arch. Sur. Ind., 1903-4, pp. 123 ff.

Bloomfield, A. Silver and copper objects found near the village of Gungeria. Proc. A.S.B., 1870, pp. 131 ff.

Bodding, P. O. Ancient Stone Implements in the Santāl Parganas. J.A.S.B., 1901, pt. III, pp 17 ff.

Branfill, B. R. Rude Megalithic Monuments in North Arcot. J.A.S.B., 1880, pt. I, pp. 8 ff.

—— On the Savandurga rude stone Cemetery, Central Maisur. Ind. Ant., 1881, pp. 1 ff.

Breeks, J. W. An account of the Primitive Tribes and Monuments of the Nilagiris. London, 1873

Brown, J. Coggin. A Prehistoric Copper Celt from Palamau. Arch. Sur. Ind., 1913-4, p. 246. A Prehistoric Copper Axe from the Kurram Agency. Ibid. p. 247.

—— Grooved Stone Hammers from Assam and the distribution of similar forms in Eastern Asia. J.A.S.B., 1914, pp 107 ff.

—— Catalogue of Prehistoric Antiquities in the Indian Museum. Ed. Marshall. Simla, 1917.

Caldwell, R. Explorations at Korkei and Kayal. Ind. Ant., 1877, pp. 80 ff. Sepulchral Urns in Southern India. Ibid. pp. 279 f

Carlleyle, A. C. L. Deosa, or Devānasa, or Daivasa. A.S.R. VI (years 1871-2, 1872-3), pp 104 ff.

—— Report of ours in Gorakhpur, Saran, and Ghazipur (1879-80). A.S.R. XXII, pp. 95 ff.

Cockburn, J. Flint Implements from the Kon ravines of South Mirzapore. J.A.S.B., 1894, pt. III, pp. 21 ff.

—— and Smith, V. A. Cave Drawings in the Kaimūr Range, North-West Provinces. J.R.A.S., 1899, pp. 89 ff.

Crooke, W. Primitive Rites of disposal of the Dead, with special reference to India. Jour. Anthropological Institute, XXIX (no. II), pp. 271 ff.

Cunningham, A. Harapa (Montgomery Dist., Punjab). A.S.R. V (1872-3), pp. 105 ff.

Das Gupta, Hemchandra. On Two-shouldered Stone Implements from Assam. J.A.S.B., 1913, pp. 291 ff.

Elliot, W. Ancient Sepulchral Remains in S. India. Internat. Cong. of Prehist. Arch. Norwich, 1868.

Fermor, L. Leigh. Note on a Palaeolithic Implement made of Manganese Ore. J.A.S.B., 1910, pp. 381 ff.

Fleet, J. F. Seals from Harappa. J.R.A.S., 1912, pp. 699 ff.

Foote, R. Bruce. On the Geology of parts of the Madras and North Arcot Districts: Stone Implements in Laterite. Memoirs of Geol. Sur. of Ind. I, 43 ff.

—— Notes on some recent Neolithic and Palaeolithic Finds in Southern India. J.A.S.B., 1887, pt. II, pp. 259 ff.

—— The Foote Collection of Indian Prehistoric and Protohistoric Antiquities (Madras Govt. Mus.): Catalogue Raisonné. Madras, 1914.

—— —— Notes on their age and distribution. Madras, 1916.

—— On Quartzite Implements of Palaeolithic types from S. India. Proc. of Internat. Cong. of Prehist. Arch. Norwich, 1868.

Garstin, J. H. and Walhouse, M. J. Dolmens in the Coromandel Coast. Ind. Ant., 1876, pp. 159 f., 255 f.

King, W. Notice of a prehistoric Burial place with cruciform Monoliths, near Mungapet in the Nizam's Dominions. J.A.S.B., 1877, pt. I, pp. 179 ff.

Le Mesurier, H. P. Note on twelve Stone Hatchets or Celts from Jabalpur. Proc. A.S.B., 1861, pp. 81 ff.

Logan, A. C Old chipped Stones of India. Calcutta, 1906.

Markham, A. H. Memoir of the Indian Surveys. 2nd edn. London, 1878, pp. 248 ff.

Marshall, J. H.; *v. inf.* 2. The Historical Period—'Archaeological Exploration in India'; 'Rajagriha and its Remains'; and other monographs in Arch. Sur. Ind.—for incidental notices of prehistoric antiquities.

Meadows Taylor. Megalithic Monuments in the Shorapore District. J. Bomb. Br R.A.S. III, pp. 179 ff.; IV, pp. 380 ff. See also Trans. R.I.A. vol. XXIV (1862 and 1865) and Jour. Ethnological Soc. I, pp. 157 ff.

Medlicott, H. B. and Blandford, W. T. Manual of the Geology of India. Calcutta, 1879–81, pt. I, pp. 440 ff. and Pl. XXI.

Mockler, E. Ancient Dwellings and Tombs in Baluchistān. Proc. A.S.B., 1876, pp. 172 ff

Rea, A. Prehistoric Antiquities in Tinnevelly, Arch. Sur. Ind., 1902–3, pp. 111 ff.; Prehistoric Pottery from Tinnevelly, ibid. 1903–4, pp. 158 ff.; Prehistoric Remains at Perambair, ibid. 1908–9, pp 92 ff.

—— Some Prehistoric Burying Places in Southern India. J.A S B., 1888, pp. 48 ff.

—— Catalogue of the Prehistoric Antiquities from Ādichanallūr and Perumbāir. Madras, 1915.

Rivett-Carnac, J. H. Rough notes on some ancient Sculpturings on rocks in Kumaon, J.A.S B., 1877, pt. I, pp. 1 ff.; Prehistoric Remains in Central India, ibid. 1879, pt. I, pp. 1 ff.; The Snake Symbol in India, ibid. pp. 17 ff.; On Stone Implements from the N.W.P., ibid. 1883, pt. I, pp. 221 ff.

Sewell, R. The Cinder-Mounds of Bellary. J.R.A.S., 1899, pp. 1 ff.; cf. ibid. 1900, p. 402. Prehistoric Burial Sites in Southern India. Ibid. 1902, pp. 165 ff.

Silberrad, C. A. Rock Drawings in the Banda District. J.A.S.B., 1907, pp. 567 ff.

Smith, V. A. The Copper Age and Prehistoric Bronze Implements of India. Ind. Ant., 1905, pp. 229 ff.; ibid. 1907, pp. 53 ff. Pigmy Flints. Ibid. 1906, pp. 185 ff.

Vanstavern, T. Notes on the Antiquities found in parts of the Upper Godavari and Krishna Districts Ind. Ant., 1875, pp. 305 f.

Walhouse, M. J. Archaeological Notes: Miniature and Prehistoric Pottery, Ind. Ant., 1875, pp. 12 f. Bronze Antiquities in India. Ibid. p. 302.

2. The Historical Period.

d'Alviella, E. Goblet. Ce que l'Inde doit à la Grèce. Des influences classiques dans l'art de l'Inde. Paris, 1897.
Anderson, J. Catalogue and Handbook of the Archaeological Collections in the Indian Museum. Calcutta, 1883.
Beal, S. Some remarks on the Great Tope at Sanchi. J.R.A.S., 1870.
Bellew, H. W. General Report on the Yusafzais. Lahore, 1864, pp. 109–51.
Birdwood, G. C. M. Industrial Arts of India. London, 1880, p. 154.
Bloch, Th. An inscribed Buddhistic Statue from Çrâvastî. J.A.S.B., 1898, pp. 274 ff.
—— Buddha worshipped by Indra. Proc. A.S.B., 1898, pp. 186–9.
—— Supplementary Catalogue of the Archaeological Collection of the Indian Museum. Calcutta, 1911.
Le Bon, G. Les Civilisations de l'Inde. Paris, 1887.
Bühler, G. Votive Inscriptions from the Sanchi Stupas. Ep. Ind. II, pp. 87 ff., 366 ff.
—— The date of the Graeco-Buddhist pedestal from Hastnagar. Ind. Ant., 1891, p. 394; cf. ibid. 1892, pp. 166 f.
Burgess, J. The Buddhist Cave Temples and their Inscriptions. Arch. Sur. West. Ind. IV. London, 1883.
—— The Gandhara Sculptures. Jour. Ind. Art and Industry, VIII (1900), nos. 62–3, 69.
Chanda, Ramaprasad. Dates of the Votive Inscriptions on the Stupas at Sanchi. Memoirs of the Arch. Sur. Ind., no. 1. Calcutta, 1919.
—— Archaeology and Vaishnava Tradition. Memoirs of the Arch. Sur. Ind., no. 5. Calcutta, 1920.
Cole, H. H. Memorandum on Ancient Monuments in Eusufzai. Simla, 1883.
—— Preservation of National Monuments: (1) Graeco-Buddhist Sculptures from Yusufzai; (2) The Great Buddhist Tope at Sanchi. Calcutta, 1885.
Cunningham, A. The Bhilsa Topes. London, 1854.
—— The Stupa of Bharhut. London, 1879.
—— Mahabodhi, or the Great Buddhist Temple at Buddhagayâ. London, 1892.
Deane, H. A. Note on Udyâna and Gandhâra. J.R.A.S., 1896, pp. 655–75; ibid. 1898, p. 460.
Fergusson, J. On the Rock Temples of India. J.R.A.S., 1846, pp. 30–92.
—— Age of Indian Caves and Temples. Ind. Ant., 1872, pp. 257 f.
—— Tree and Serpent Worship. 2nd edn. London, 1873.
—— History of Indian and Eastern Architecture. 2nd edn. London, 1910.
—— and Burgess, J. The Cave Temples of India. London, 1880.
Foucher, A. Étude sur l'Iconographie bouddhique de l'Inde. Paris, 1900.
—— Les Bas-reliefs du Stûpa de Sikri (Gandhâra). Jour. As., 1903 (II). Les fouilles de Taxila. Ibid. 1919 (XIV).
—— L'Art bouddhique du Gandhâra. Paris, 1905–18.
—— L'Art bouddhique dans l'Inde d'après un livre récent. Rev. de l'Hist. des Relig. XXX, pp. 319–71.
Führer, A. Monograph on Buddha Sakyamuni's Birthplace. Allahabad, 1897.
—— Indo-Skythic Architecture and Sculpture of the Mathura School. Jour. Ind. Art and Industry, V (1894), p. 58.
Griffiths, J. The paintings in the Buddhist Cave Temples of Ajanta, Khandesh, India. London, 1896–1900.

Growse, F. S. Mathura, a District Memoir. 3rd edn. N.W.P. Press, 1885.
—— Supposed Greek Sculpture at Mathurā. J.A.S.B., 1875, pp. 212 ff.
Grünwedel, A. Buddhistische Kunst in Indien. 2 Auf. Berlin, 1900.
—— Eng. trans. Gibson, ed. Burgess, Buddhist Art in India. London, 1901.
Hargreaves, H. The Buddhist Story in stone, an interpretation of thirty-four Graeco-Buddhist sculptures in the Lahore Museum. Calcutta, 1914.
Havell, E. B. Indian Sculpture and Painting. London, 1908.
Hultzsch, E. Jatakas at Bharaut. J.R A.S., 1912, pp. 399 ff.
Indrājī, Bhagvānlāl. Hāthigumphā and three other Inscriptions. Trans. Inter. Or. Cong., pt. 3. Leiden, 1883.
—— Antiquarian Remains at Sopārā and Padana J. Bomb. Br. R.A.S. xv, pp. 273 ff.
Jackson, V. H. Notes on Old Rajagriha. Arch. Sur. Ind., 1913–4, pp. 265 ff.
Jouveau-Dubreuil, G. Archéologie du Sud de l'Inde. Paris, 1914.
Kipling, J. L. The classical influence in the Architecture of the Indus region and Afghanistan. Jour. Roy. Inst. British Architects, I (1894), pp. 134 ff.
Leitner, G. W. Graeco-Buddhist Sculpture. As. Quart. Rev. VII (1894), pp. 186–9.
Lüders, H. A List of Brahmi Inscriptions from the earliest times to about A.D. 400, with the exception of Aśoka. Ep. Ind. X, Appendix.
Maisey, F. C Sanchi and its Remains. London, 1892.
Marshall, J. H. Archaeological Exploration in India, 1906–7. J.R.A.S., 1907, pp. 993 ff.; 1907–8, ibid. 1908, pp. 1085 ff.; 1908–9, ibid. 1909, pp. 1053 ff.; 1909–10, ibid. 1911, pp. 127 ff.
—— Buddhist gold jewellery, Arch. Sur. Ind., 1902–3, pp. 185 ff.; Rajagriha and its Remains, ibid. 1905–6, pp. 86 ff.; Sarnath, ibid. 1906–7, pp. 68 ff; The Gandhara School and Mr Havell, ibid. 1907–8, p. 39; Railing pillars at Bodh Gaya, ibid. p. 40; Excavations at Saheth-Maheth, ibid. 1910–1, pp. 1 ff; Excavations at Bhita, ibid. 1911–2, pp. 29 ff.; Excavations at Taxila, ibid. 1912–3, pp. 1 ff.; 1914–5, pp. 1 ff.; 1915–6, pp. 1 ff.; The Monuments of Sanchi, ibid. 1913–4, pp. 1 ff.
—— A Guide to Taxila. Calcutta, 1918.
—— A Guide to Sanchi. Calcutta, 1918.
Mitra, Rajendralal. Antiquities of Orissa. Calcutta, 1875 etc
Oertel, F. O. Excavations at Sarnath. Arch. Sur. Ind., 1904–5, pp. 59 ff.
Peppé, W. C. The Piprāhwā Stūpa, containing relics of Buddha. J.R.A.S., 1898, pp. 573 ff.
Perry, J. T. The classical influence in Indian Architecture. Jour. Roy. Inst. British Architects, I (1894), pp 147 ff
Prinsep, J. Essays on Indian Antiquities; see Bibl. to Ch. XXI, 4.
Rea, A. South Indian Buddhist Antiquities, including the Stupas of Bhattiprolu, Gudivādā, and Ghantāsāla, and other ancient cites in the Krishna District. Madras, 1894
Sahni, D. R. Excavations at Rampurva. Arch. Sur. Ind., 1907–8, pp. 181 ff.
—— Catalogue of the Museum of Archaeology at Sarnath. Calcutta, 1914?
Senart, E. Notes d'Épigraphie indienne: sur quelques pierres gravées provenant du Caboul. Jour. As., 1889 (XII), pp. 364 ff.
Simpson, W. Indian Architecture. Trans. Roy. Inst. British Architects, 1861–2, pp. 165–78. Buddhist Architecture. Jallalabad. Ibid. 1879–80, pp. 37–64. Origin and mutation in Indian and Eastern Architecture. Ibid. 1891, pp. 225–76.
—— Classical influence in the Architecture of the Indus region and Afghanistan. Jour. Roy. Inst. British Architects, I (1894), pp. 93 ff., 191 ff.
—— The Buddhist Caves of Afghanistan. J.R.A.S., 1882, pp. 319–331. Some suggestions of origin in Indian Architecture. Ibid. 1888, pp. 49–71.

Sinclair, W. F. Architecture in India. J.R.A.S., 1888, pp. 272–6.

Smith, V. A. History of Fine Art in India and Ceylon. Oxford, 1911.

—— Graeco-Roman influence on the civilisation of Ancient India. J.A.S.B., 1889, pp. 107–98; 1892, pp. 50–76; 1893, pp. 84–7.

—— The date of a Graeco-Buddhist pedestal from Hastnagar. Ind. Ant., 1892, pp. 166 f.

—— Note on the Piprāhwā Stūpa. J.R.A.S., 1898, pp. 579–88.

—— The Monolithic Pillars of Asoka. Z.D.M.G., 1911, pp. 221 ff.

—— and Hoey, W. Ancient Buddhist Statuettes etc. J.A.S.B., 1895, pp. 155–62.

Spiers, R. P. Classical influence in Indian Architecture. Jour. Roy. Inst. British Architects, I (1894), pp. 150 ff.

Spooner, D. B. A new find of Punch-marked Coins, Arch. Sur. Ind., 1905–6, pp. 150 ff.; Excavations at Sahri Bahlol, ibid. 1906–7, pp. 102 ff.; Excavations at Takht-i-Bahi, ibid. 1907–8, pp. 132 ff.; Excavations at Shah-ji-ki-Dheri, ibid. 1908–9, pp. 38 ff.; An inscribed Sculpture in the Peshawar Museum, ibid. pp. 130 ff.; Excavations at Pāṭaliputra, ibid. 1912–3, pp 53 ff.; Excavations at Basarh (in 1911–2), ibid. 1913–4, pp. 98 ff.

—— Handbook to the Sculptures in the Peshawar Museum. Bombay, 1910.

—— Annual Report of the Archaeological Survey of India, Eastern Circle, for 1912–3.

Stein, M. A. Zoroastrian deities on Indo-Scythian Coins. Ind. Ant., 1888, pp. 89–98.

—— Detailed Report of an Archaeological Tour with the Buner Field Force. Lahore, 1898.

Talbot, M. G. The Rock Caves and Statues of Bāmiān. J.R.A.S., 1886, pp. 323 ff.

Vogel, J. Ph. Catalogue of the Delhi Museum of Archaeology. Calcutta, 1908.

—— Inscribed Gandhara Sculptures, Arch. Sur. Ind., 1903–4, pp. 244 ff.; Excavations at Kasia, ibid. 1904–5, p. 43; The Mathura School of Sculpture, ibid. 1906–7, pp. 137 ff.; 1909–10, pp. 63 ff.; The Garuda Pillar of Besnagar, ibid. 1908–9, pp. 126 ff.

—— Archaeological Exploration in India, 1910–1. J.R.A.S., 1912, pp. 113 ff.

Waddell, L. A. Discovery of the exact site of Asoka's classic capital of Pātaliputra, the Palibothra of the Greeks, and description of the superficial remains. Calcutta, 1892.

—— Report on the excavations at Pātaliputra (Patna), the Palibothra of the Greeks. Calcutta, 1903.

—— Graeco-Buddhist Sculpture in Swāt. As. Quart. Rev., Jan. 1896.

Wilson, H. H. Ariana Antiqua; see Bibl. to Ch. XIV, 2.

CHRONOLOGY

The following dates are accepted in this volume. Many of them can only be regarded as approximate, while others are conjectural.

B.C.

2500 — Probable date of the beginning of Āryan invasions (p. 70).

1400 — Boghaz-köi inscriptions of kings of the Mitāni (pp. 72–3, 110–1).

1200—1000 — Chhandas period of Indian literature: the earliest hymns of the Rigveda (p. 112).

1000—800 — Mantra period, sometimes called the earlier Brāhmaṇa period: later hymns of the Rigveda and the Vedic collections—Rigveda, Yajurveda, Sāmaveda, Atharvaveda (p. 112).
The tradition of the Purāṇas places the war between the Kurus and the Pāṇḍus in the earlier Brāhmaṇa period, c. 1000 B.C. (p. 307). The Mahābhārata which celebrates this war belongs in its present form to a much later date (pp. 252 ff).

800—600 — (Later) Brāhmaṇa period: the extant Brāhmaṇas (p. 112).
The earliest Upanishads are probably not later than 550 or 600 B.C. (pp. 112, 147).
It is possible that the story of the Rāmāyaṇa may have its origin in the later Brāhmaṇa period (p. 317).

600—200 — Sūtra period (pp. 112, 227).

563—483 — Siddhārtha Gautama, the Buddha (pp. 171–2, 312).
According to Charpentier, 478 (477) B.C. appears to be a more probable date for the *nirvāṇa* of the Buddha (p. 156, n. 1).
Among the contemporaries of the Buddha were Prasenajit (Pasenadi), king of Kosala (pp. 180, 309), Bimbisāra (Çreṇika) and Ajātaçatru (Ajātasattu, Kūṇika), kings of Magadha (pp. 183–4, 311), Pradyota (Pajjota), king of Avanti (pp. 185, 310–1), and Udayana (Udena), king of Vatsa (Vaṃsa) (pp. 187, 308, 310).

558—530 — Cyrus, king of Persia.
Conquered Bactria and certain countries in the Kābul valley and N.W. India including Kāpiça and Gandhāra (pp. 329–33).

543—491 — Bimbisāra (Çreṇika), king of Magadha (pp. 157, 183, 311–2).
Conquered Aṅga c. 500 B.C. (pp. 311, 315).

540—468 — Vardhamāna Nātaputra, Mahāvīra (pp. 156, 163).
Traditional date 600–528 B.C. (p. 155).
Pārçva, the predecessor of Mahāvīra as *tīrthakara*, is said to have died 250 years before him (p. 153).
For the contemporaries of Mahāvīra and Buddha *v. sup.*

522—486 — Darius I, king of Persia.
The Greek geographer Hecataeus lived in his reign (pp. 336, n. 2, 394).
Naval expedition of Scylax c. 517 B.C.; conquest of 'India' = the country of the Indus c. 518 B.C. (pp. 335–6).

491—459 — Ajātaçatru (Kūṇika), king of Magadha (pp. 157, 311–2).
Probably added Kāçī, Kosala, and Videha to the dominions of Magadha (p. 315).

486—465 — Xerxes, king of Persia.
The continuance of Persian domination in Northern India during his reign proved by statements of Herodotus (p. 340).

B.C.

483 B.C.—38 A.D. Kings of Ceylon.

Vijaya, the conqueror of the island, 483–445 B.C. (p. 606); Paṇḍu Vāsudeva 444–414 B.C.; Abhaya 414–394 B.C.; Paṇḍukābhaya 377–307 B.C. (p. 607); Muṭasiva 307–247 B.C.; Devānampiya Tissa 247–207 B.C.; Uttiya 207–197 B.C.; Mahāsiva 197–187 B.C.; Sūra Tissa 187–177 B.C.; Sena and Guttaka 177–155 B.C.; Asela 155–145 B.C.; Eḷāra 145–101 B.C. (p. 608); Duṭṭha-Gāmaṇī 101–77 B.C.; Saddhā-Tissa 77–59 B.C. (p. 609); Thūlathana 59 B.C.; Lañja Tissa 59–50 B.C.; Khallātanāga 50–44 B.C.; Vaṭṭa-Gāmaṇī Abhaya 44, 29–17 B.C.; Mahāchūli Mahātissa 17–3 B.C.; Choranāga 3 B.C.—9 A.D.; Kuḍā Tissa 9–12 A.D. (p. 610); Kuṭakaṇṇa Tissa 16–38 A.D. (p. 611).

415—397 Ctesias, the Greek physician, at the court of Artaxerxes Mnēmōn, king of Persia (p. 397).

336—323 Alexander the Great, king of Macedon.

Conquest of Persia 330 B.C.· a statement of Arrian shows that Persian dominion in India continued until the end of the Achaemenian dynasty (p. 341).

Invasion of India at the end of 327 or the beginning of 326 B.C. (p. 354).

Retreat from the Beās, July 326 B.C. (p. 373).

Leaves India 325 B.C. (p. 380).

Death 323 B.C. (p. 386).

321—184 The Maurya Dynasty (pp. 471, 512).

Chandragupta 321–297 B.C. (pp. 471–2).

The Jain authorities give the year of his accession as 313 (312) B.C., a date at which the canon of the Jain scriptures was fixed (p. 482).

Megasthenes at the court of Chandragupta c. 300 B.C. (pp. 433, 472).

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Açoka 274–237 B.C. Accession 274 B.C. at latest; coronation 270 B.C. at latest; conquest of Kaliṅga 262 B.C. at latest; Buddhist council at Pāṭaliputra 253 B.C. ?; death 237 or 236 B.C. ? (p. 503).

Contemporary Hellenic kings—Antiochus II Theos of Syria 261–246 B.C.; Ptolemy Philadelphus of Egypt 285–247 B.C.; Antigonus Gonatas of Macedon 278–239 B.C.; Magas of Cyrene d. 258 B.C.; Alexander of Epirus 272–258 B.C. ? (p. 502).

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Indian expedition c. 305 B.C. (p. 430).

Treaty of peace with Chandragupta (pp. 431, 472).

250 Approximate date of the establishment of the kingdom of Bactria by Diodotus (p. 435) and of the kingdom of Parthia by Arsaces (p. 439).

246 Conversion of Ceylon by the Buddhist apostle Mahendra (Mahinda), the son (or brother, p. 500, n. 4) of Açoka, in the year of the coronation of king Devānampiya Tissa (p. 608).

220 Approximate date of the establishment of the Andhra power (Çātavāhana dynasty, pp. 317–8, 529, 530, n. 1, 599) and of the kingdom of Kaliṅga (Cheta dynasty, pp. 534–5).

Early Andhra kings—Simuka (pp. 318, 529, 599); Kṛishṇa (pp. 529,

B.C.

585, 600); Çatakarṇi, contemporary with Pushyamitra, probably conquered Avanti from the Çuṅgas (pp. 530–2), also contemporary with Khāravela, *v. inf.*

King of Kaliṅga—Khāravela (acc. c. 169 B.C. if the Hāthigumphā inscr. is dated in the Maurya era) (pp. 314–5, 534 f., 602); invaded the dominions of Çatakarṇi (pp. 535–6, 600); defeated kings of Rājagṛiha and Magadha (pp. 536–7, 600).

206 Indian expedition of Antiochus III the Great, king of Syria, during the reign of Euthydemus, king of Bactria (pp. 441–2).

200—58 Yavana princes of the house of Euthydemus.

Their Indian conquests began in the reign of Euthydemus early in the 2nd century B.C., and were carried out by Demetrius, son of Euthydemus, and other princes of his family (Apollodotus I and Menander) (pp. 444 ff., 541, 543).

Their conquests in the upper Kābul valley and in N.W. India were wrested from them by Yavana princes of the house of Eucratides from c. 162 B.C. onwards (p. 554). Restruck coins show the transference of certain kingdoms in these regions from one house to the other (pp. 547, 551–2).

Subsequently the rule of the successors of Euthydemus—the families of Apollodotus I and Menander—was confined to kingdoms which lay to the east of the Jhelum (p. 548). These appear to have been conquered finally and incorporated into the Çaka empire during the reign of Azes I (acc. 58 B.C.) (pp. 554, 572).

To the house of Euthydemus belonged Demetrius (supposed limits of reign c. 190–160 B.C., pp. 444, 447), Apollodotus I, and Menander —all contemporary with Eucratides (pp. 548, 551).

Apollodotus I was deprived of the kingdom of Kāpiça by Eucratides, and was succeeded in the lower Kābul valley by Heliocles (pp. 547–8). The later princes of his family—Apollodotus II, Dionysius, Zoilus, and Apollophanes—ruled over kingdoms in the eastern Punjab (pp. 552–3).

Menander ruled over many kingdoms (p. 551). He was probably the leader of the Yavana incursion into the Midland Country (pp. 544, 551). Menander and Eucratides may perhaps have ruled at different times over Nicaea in the former realm of Alexander's Paurava king between the Jhelum and the Chenāb (pp. 551, 588). In Buddhist literature Menander (Milinda) is known as king of Çākala (Siālkot) in the former realm of Alexander's second Paurava king between the Chenāb and the Rāvi (pp. 549–50). The family of Menander seems to be represented by Agathocleia who may have been his queen, his son Strato I, and his great-grandson Strato II. Numismatic evidence apparently shows that this family was dispossessed finally of the kingdom of Nicaea by Heliocles in the reign of Strato I. Its rule in the eastern Punjab continued until the Çaka conquest in the reign of Azes I (pp. 553–4).

Hippostratus probably belonged to the house of Euthydemus, but his family is uncertain. He was contemporary with Azes (pp. 554, 572).

184—72 The Çuṅga Dynasty.

The dates depend on the statements of the Purāṇas (p. 518).

B.C.

Pushyamitra (184–148 B.C.), originally king of Vidiçā and commander-in-chief of the last Maurya emperor, seized the Maurya dominions and reigned at Pāṭaliputra (pp. 517–8).

Deprived of the kingdom of Çākala by the Yavanas (probably by Menander) (p. 519).

War between Vidiçā, now governed by his son Agnimitra as viceroy, and Vidarbha (assumed date c 170 B.C.) (pp. 519, 600).

Defeat of the Yavanas on the banks of the Sindhu by his grandson Vasumitra (p. 520).

Invasion of his capital, Pāṭaliputra, by the Yavanas (probably under Menander) (pp. 544, 551).

Deprived of the kingdom of Avanti (Ujjayinī) by the Andhra king Çātakarṇi (pp. 531–2).

Later Çuṅga kings:—Agnimitra (p. 520); Vasumitra or Sumitra (p. 521); Odraka, probably contemporary with Bahasatimitra, king of Kauçāmbī (pp. 521, 525); Bhāga or Bhāgavata, contemporary with Antialcidas, the Yavana king of Takshaçilā, c. 90 B.C. according to the Purāṇas (pp. 521–2, 558); Devabhūti (p. 522).

Feudatories of the Çuṅgas at Bhārhut, Mathurā, Kauçāmbī, and Ahicchatra (pp. 523–6).

171—138 Mithradates I, king of Parthia.

165 The Yueh-chi defeated by the Huns began their migration westwards (p. 565).

162—25 Yavana princes of the house of Eucratides.

Eucratides deposed Euthydemus from the throne of Bactria c. 175 B.C. (p. 446).

Conquered the Kābul valley, Ariāna (Arachosia and Aria), and N.W. India before 162 B.C. (pp. 447, 554).

Evidence of his rule in Kāpiça as successor of Apollodotus I (p. 555), in Takshaçilā (p. 556), and possibly in Nicaea (ibid.).

Deprived of his conquests in Ariāna by Mithradates I between 162 and 155 B.C., the assumed date of his death (pp. 457, 554).

Heliocles, probably the son of Eucratides and his successor in both Bactria and India, ended his rule in Bactria c. 135 B.C. (pp. 460–1, 556).

Evidence of his rule in the upper Kābul valley and in Pushkalāvatī (p. 557).

Extended the conquests of Eucratides—probably to the east of the Jhelum—in the reign of Strato I (p. 553).

Antialcidas, a member of the house of Eucratides and one of his successors in the Kābul valley (p. 558).

He may have been the son and immediate successor of Heliocles (pp. 461, 559); on this assumption his accession may be conjecturally dated 120 B.C. (p. 522).

Evidence of his rule in Takshaçilā (p. 558); in this kingdom he was at one time associated with Lysias, whose family is uncertain (p. 559).

As king of Takshaçilā he was contemporary with the Çuṅga king of Vidiçā, Bhāga or Bhāgavata (Bhāgabhadra), whose 14th year may be estimated from the Purāṇas as c. 90 B.C. (pp. 521–2, 558).

B.C.

Later princes of this house:—(1) In **Pushkalāvatī** after the reign of Heliocles—Diomedes, Epander, Philoxenus, Artemidorus, and Peucolaus (p. 557); (2) in Takshaçilā after the reign of Antialcidas—Archebius (p. 559); and (3) in the upper Kābul valley after the reign of Antialcidas—Amyntas and Hermaeus (at one time associated with Calliope) (p. 560). The date c. 25 B.C. for the end of the reign of Hermaeus is conjectural: it seems consonant with the view that the upper Kābul valley was conquered in or before the reign of the Pahlava suzerain Spalirises, the brother of Vonones (pp. 561–2, 573–4).

138—128 Phraates II, king of Parthia.

His conflicts with the Scythians (Çakas) in eastern Irān (p. 567).

135 Bactria overwhelmed by the Çaka invasion in the reign of the last Yavana king Heliocles (p. 461).

128—123 Artabanus I, king of Parthia.

The struggle with the Çakas was continued in his reign (p. 567).

126 The Chinese ambassador Chang-kien visited the Yueh-chi who were still to the north of the Oxus. The Yueh-chi expelled the Çakas from Bactria soon afterwards (pp. 459, 566).

123—88 Mithradates II the Great, king of Parthia.

His final triumph over the Çakas (p. 567).

75 B.C.—50 A.D. Period of Çaka and Pahlava supremacy in the Punjab.

Earliest Çaka settlements in the region of the Indus delta (Indo-Scythia or Çaka-dvīpa) (p. 564).

Maues wrested from the Yavanas Pushkalāvatī after the reign of Artemidorus, and Takshaçilā after the reign of Archebius. The date, c. 75 B.C., ascribed to these conquests is conjectural: it depends on the view that the assumption by Maues of the title 'King of Kings' must necessarily be later than the reign of Mithradates II (123–88 B.C.) (pp. 558–9, 569–70).

Azes I acc. 58 B.C.—so dated on the hypothesis that he was the actual founder of the Vikrama era (p. 571).

He extended the conquests of Maues to the more easterly kingdoms of the Punjab (pp. 553–4).

Azilises appears to have reigned (1) in association with Azes I, (2) alone, and (3) in association with Azes II (p. 572).

Azes II. his association with the *strategos* Aspavarman proves that he was the immediate predecessor of Gondopharnes (pp. 572, 577).

Gondopharnes, the successor of Azes II as viceroy of Arachosia under the suzerainty of Orthagnes; at one time associated in this office with his brother Guḍa; he appears to have succeeded Orthagnes as suzerain in eastern Irān, and Azes II as suzerain in India (pp. 577–8).

He is known to have reigned from 19 to at least 45 A.D. (p. 576).

In different kingdoms he was associated with (1) his nephew Abdagases who was probably his viceroy in eastern Irān (pp. 578–80); (2) Sapedana and Satavastra who were probably governors of Takshaçilā (ibid.); and (3) the *strategoi* Aspavarman and Sasas (pp. 577, 580–1).

B.C.

Pacores, the successor of Gondopharnes as suzerain in eastern Irān and, nominally at least, in India. In Takshaçilā he was associated with the *strategos* Sasas (pp. 577, 580–1).

His rule is supposed to have come to an end in the upper Kābul valley c. 50 A.D., and in N.W. India soon afterwards (both dates must lie between 45 and 64 A.D.) (pp. 583–4).

Satraps:—(1) at Pushkalāvatī—Zeionises (p. 582, n. 1); (2) in the region of Takshaçilā—Liaka Kusūlaka (contemporary with Maues) and his son Pātika who appears as great satrap c. 30 B.C. (the supposed date of the Lion Capital of Mathurā) (p. 575); (3) at Mathurā—Hagāmasha and Hagāna (p. 527), Rañjubula (supposed dates—satrap c. 50 B.C., great satrap c. 30 B.C.), Çodāsa (supposed date as satrap c. 30 B.C.) great satrap in 16 B.C. (pp. 575–6).

Strategoi:—(1) Aspavarman, son of Indravarman (Azes II and Gondopharnes); (2) Sasas, nephew of Aspavarman (Gondopharnes and Pacores) (pp. 577, 580–1).

58 Initial year of the Vikrama era.

Traditionally ascribed to a king Vikramāditya of Ujjain who is said to have expelled the Çakas from India The tradition may have some historical foundation; but in any case it seems probable that the supposed founder of the era has been confused with Chandragupta II Vikramāditya (380–414 A.D.) who finally crushed the Çaka power in Western India (the Western Satraps) (pp. 532–3). It seems more likely that the era marks the establishment of the Çaka suzerainty by Azes I (p. 571), and that its use was transmitted to posterity by the Mālavas and other peoples who had once been feudatories of the Çakas (p. 491).

57—38 Orodes I, king of Parthia.

The squared letters which characterise the coin-legends of the later Çaka and Pahlava rulers in India first appear on Parthian coins during his reign (p. 571).

30 Conjectural date of Vonones, Pahlava suzerain of eastern Irān (p. 573).

With him were associated, as viceroys of Arachosia, (1) his brother Spalahores, (2) his nephew Spalagadames: these two (father and son) also held this office conjointly, and (3) his brother Spalirises, who at one time held this office conjointly with his son Azes II (pp. 573–4).

Other suzerains of eastern Irān (in addition to those who ruled also in India, for whom *v. sup.*) were:

Spalirises, the successor of Vonones. The former kingdom of Hermaeus in the upper Kābul valley appears to have been annexed by the Pahlavas in or before his reign (p. 574); Orthagnes, contemporary with Gondopharnes (p. 578); and Sanabares, in Drangiāna (Seistān); there is no evidence of his rule in Arachosia (Kandahār) (p. 580).

A.D.

8—11 Vonones I, king of Parthia (p. 573).

50 Approximate date of the extension of the Kushāṇa power from Bactria to the Paropanisadae (upper Kābul valley) and Arachosia (Kandahār) in the reign of Gondopharnes or Pacores. The Kushāṇa conqueror was Kujūla Kadphises (pp. 583–4).

A.D.

64 The extension of the Kushāṇa power from the upper Kābul valley to N.W. India (Pushkalāvatī or W. Gandhāra) had taken place when the Panjtār inscription was set up (year 122=63—4 A.D.). The Kushāṇa king mentioned in the inscription may be either W'ima Kadphises or one of his viceroys—possibly Kara Kadphises whose coins are found in the same region (pp. 582, n. 1, 584).

Inscription of a Kushāṇa king (identified with W'ima Kadphises) reigning at Takshaçilā in the year 136=77—8 A.D. (pp. 581-2).

78 Initial year of the Çaka era.

The Çaka era appears to have been so called at a later date when it was best known as the era of the Çakas of Western India (the Western Satraps) who were originally feudatories of the Kushāṇas. It most probably marks the establishment of the Kushāṇa empire by Kanishka (pp 583, 585).

89 The Suë Vihāra inscription of the 11th year of Kanishka proves that the suzerainty of the Kushāṇas extended to the country of the lower Indus at this date (p. 585).

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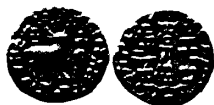
PERSIAN, ATHENIAN, AND MACEDONIAN TYPES IN INDIA

COINS OF THE SELEUCID KINGS AND THEIR SUCCESSORS

COINS OF BACTRIA

1 AR
2 AR
3 AR
4 AR
5 AR
6 AR
7 AR
8 AR
9 AR

COINS OF NATIVE INDIAN STATES

1 Æ
2 Æ
3 AR
4 Æ
5 Æ
7 AR
6 Æ
8 Æ
10 AV
9 Æ
11 Æ
12 Æ
13 Æ
14 Æ
15 Æ
16 Æ
17 Æ

18 AR
19 AR
20 AR
21 AR
24 AR
2 AR
23 AR
25 Æ
27 Æ
28 Æ
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31 AR
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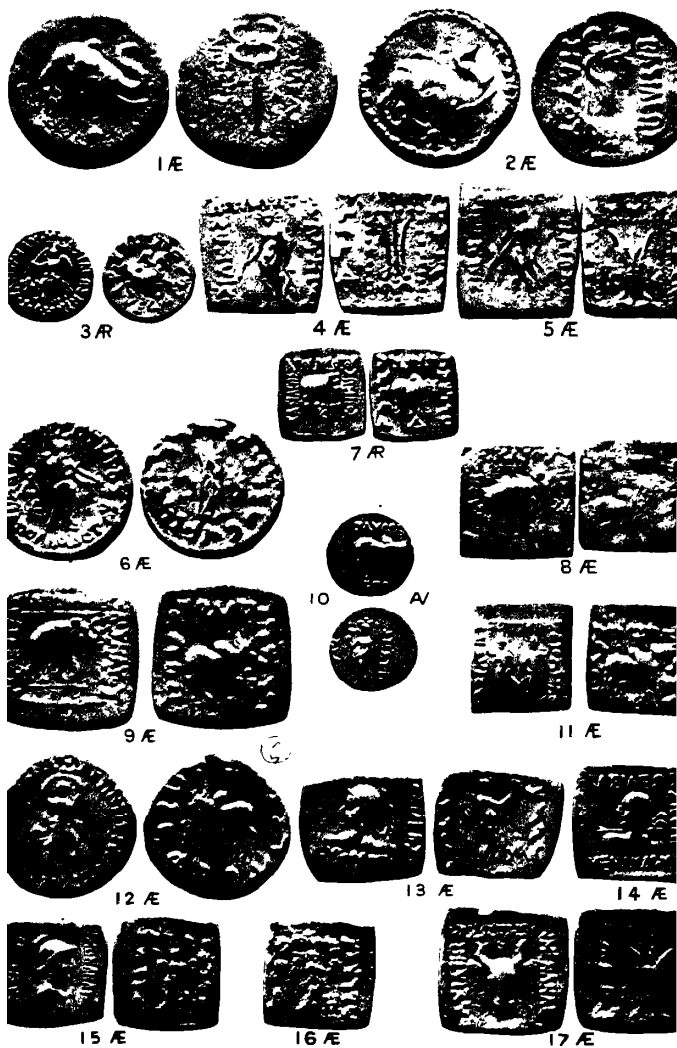
32 AR
34 AR
33 AR
35 Æ
36 Æ
37 AR
38 Æ

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PALAEOLITHIC AND NEOLITHIC
IMPLEMENTS

1
Straight-edged cleaver of brownish quartzite, from Chingleput District, Madras. 13 cms.

2
Pebble-butted boucher of quartzite from Chingleput District. 14 cms.

5
Boucher of banded ferruginous quartzite from Kistna District, Madras. 19 cms.

6
Polished celt with pointed butt of speckled trap from Bānda District, United Provinces. 19 cms.

9
Polished chisel-celt of hardened clay slate from Burma. 20 cms.

PALAEOLITHIC AND NEOLITHIC IMPLEMENTS

3

Discoid palaeolith of reddish-grey quartzite from north of the Ghatprabha river, Belgaum District. 7·5 cms.

1

Guillotine-edged palaeolith of reddish quartzite from the Bennihalla river, Dharwar District, Bombay. 23 cms.

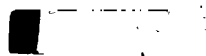
7

Polished celt, weathered, with flattened butt and crescentic edge of trap from Mahobā, Bundelkhand. 9 cms.

10

Core of nummulitic flint with 12 flakes from the Indus at Sukkur. 14·5 cms.

8

Polished shouldered celt with adze-like edge, of dark grey slate from Burma. 10 cms.

PALAEOLITHIC AND NEOLITHIC IMPLEMENTS

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Gold leaf from Vedic (?) burial mound at Lauriyā Nandangarh.
(Actual size.)

22 23

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25

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Capital of Açoka Column at Sārnāth (Height 6′ 10½″.)

28

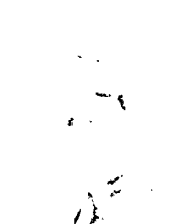
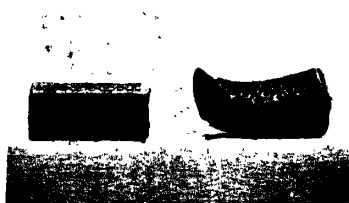
Relief on Capital of Açoka Column at Sārnāth.

29
(Height 6')

30
(Height 5' 4".)

Yaksha figures from Patna (Indian Museum, Calcutta.)

31 32 33
Indigenous punch-marked Coins

34
Coin of Sophytes (Saubhūti).

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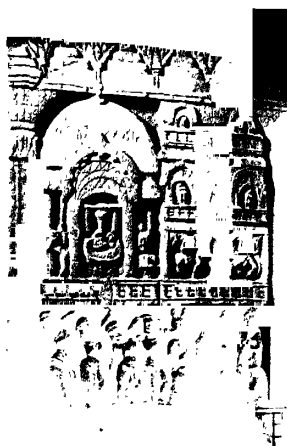
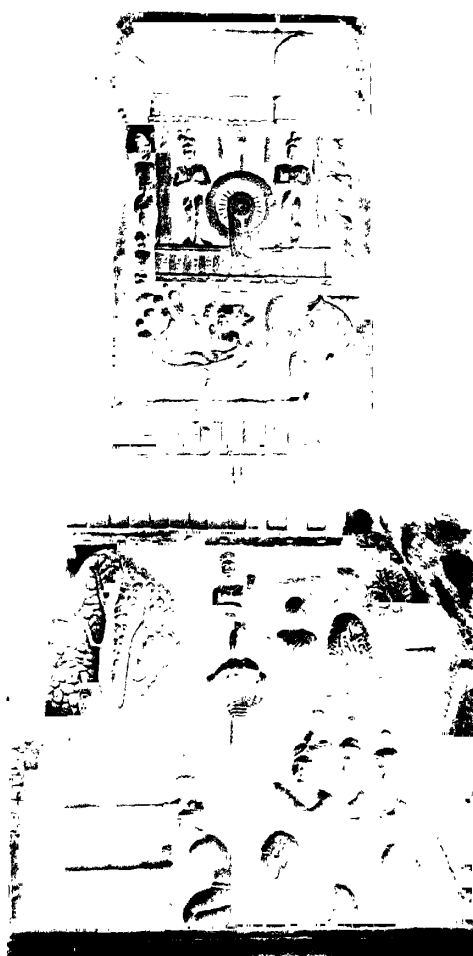

LIEFS ON THE RAILING OF THE BHĀRHUT STŪPA

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RELIEFS ON THE RAILING OF THE BHĀRHUT STŪPA

…IEFS ON THE RAILING OF THE BHARHUT STŪPA

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GARUḌA PILLAR AT BESNAGAR NEAR BHĪLSA (VIDIÇĀ)
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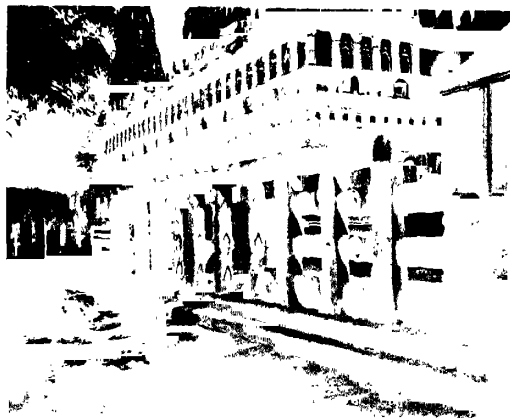
50 Railing

51 Pillar of Railing

52 Pillar of Chaṅkrama.

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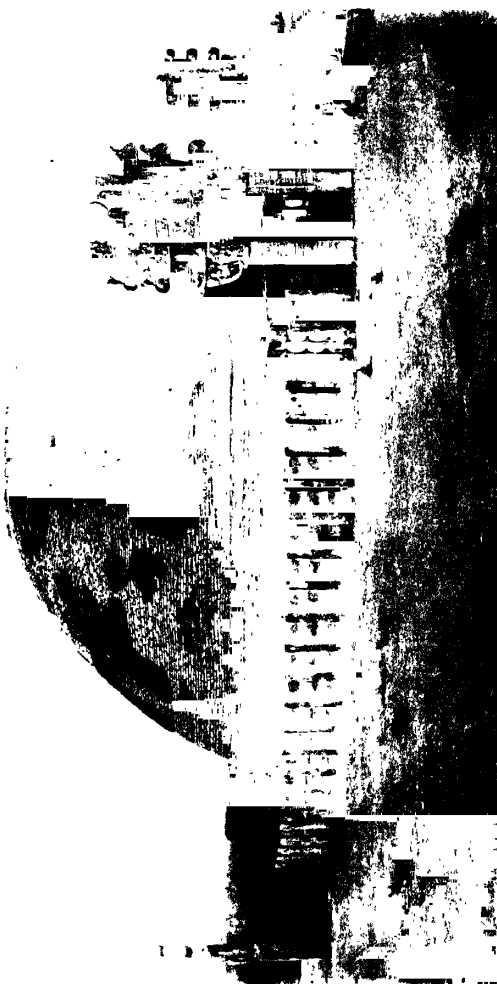
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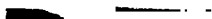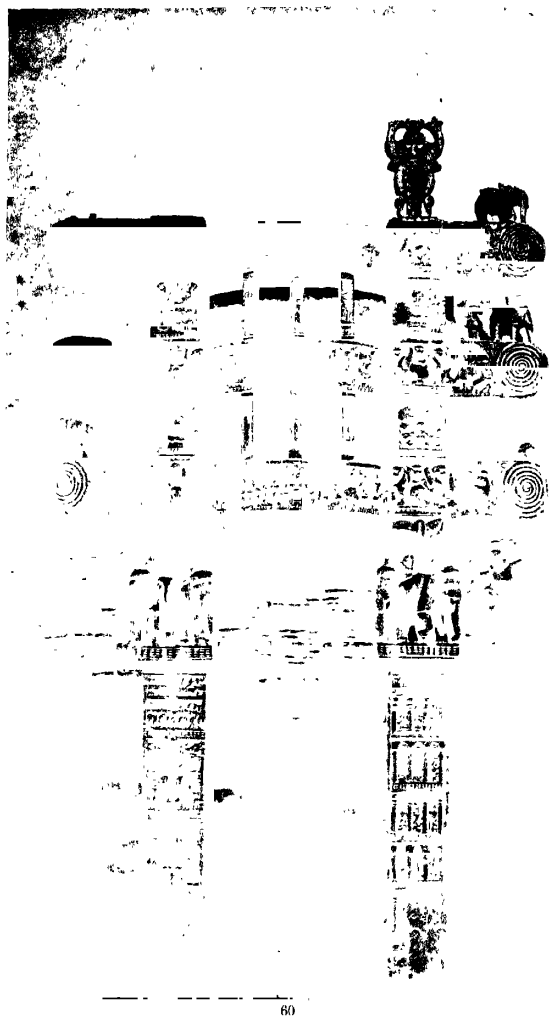
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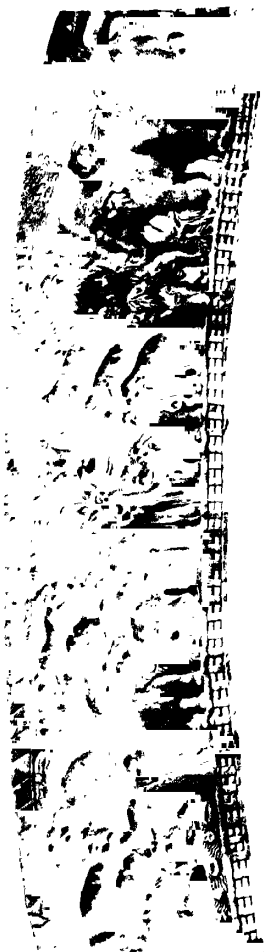
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Lowest Architrave of South Gateway

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Upper Architrave of West Gateway.

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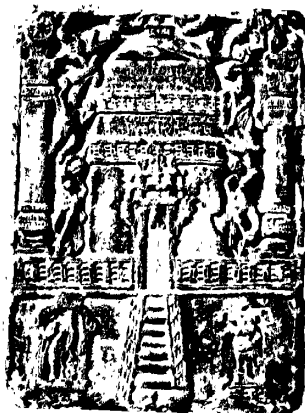
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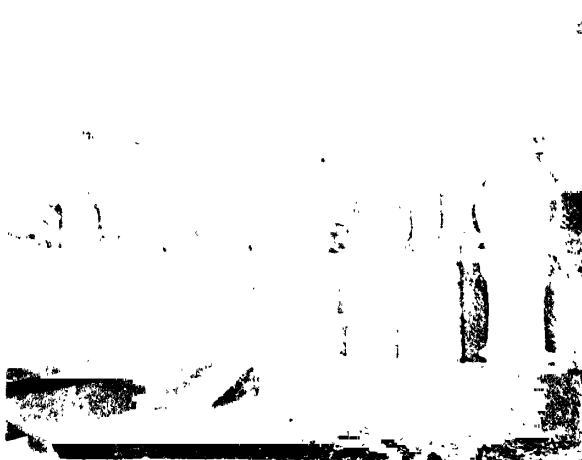
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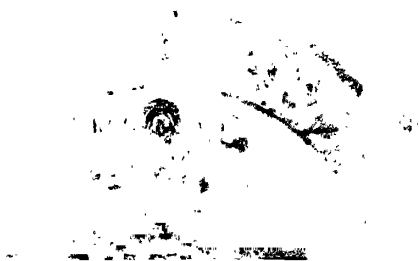
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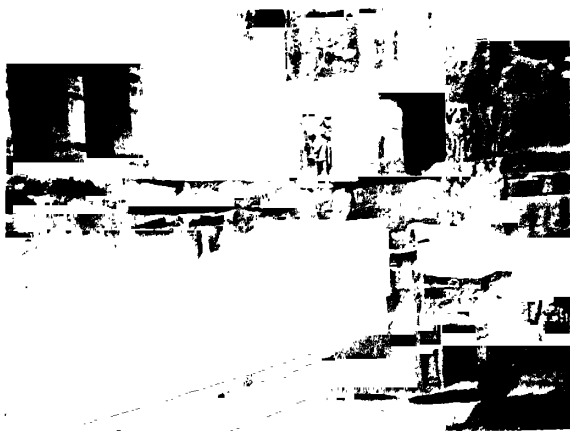
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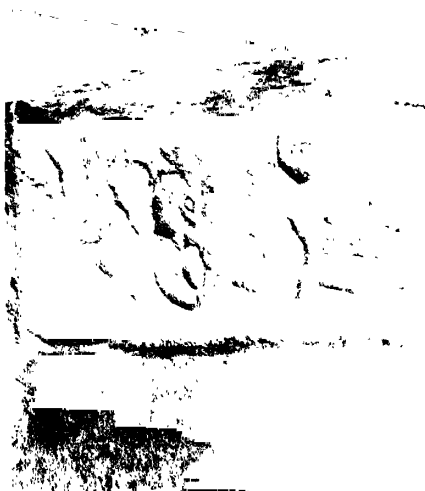
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82

Copper lota from Kulū.

PLATE XXX

(Nos. 83 *a*- 83 *l*)

COINS OF BACTRIA AND NORTH-WESTERN INDIA

a
Demetrius

b
Eucratides

c
Antialcidas

d
Archebius.

83

COINS OF BACTRIA AND NORTH-WESTERN INDIA

Plate XXV

e
Apollodotus

f
Menander

g
Philoxenus

h
Hermaeus

i
Maues

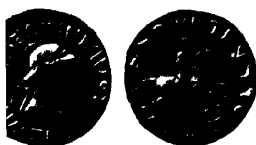
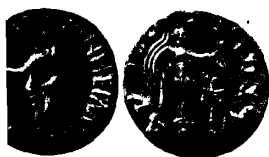
j
Azes

k
Azilises

l
Gondophares

83

COINS OF BACTRIA AND NORTH-WESTERN INDIA

84

Head of Dionysus. Silver repoussé. Taxila.
(Height 3¼″.)

85

Stūpa base of Scytho-Parthian epoch. Taxila.

86

Bronze statuette, Taxila. (Height 5⅞ in.)

87

Gold casket from Stupa at Bimaran. (Height 2¾ in.)

INTAGLIO GEMS FROM THE NORTH-WEST OF INDIA

89

Life size statue of Buddha from Gandhāra.